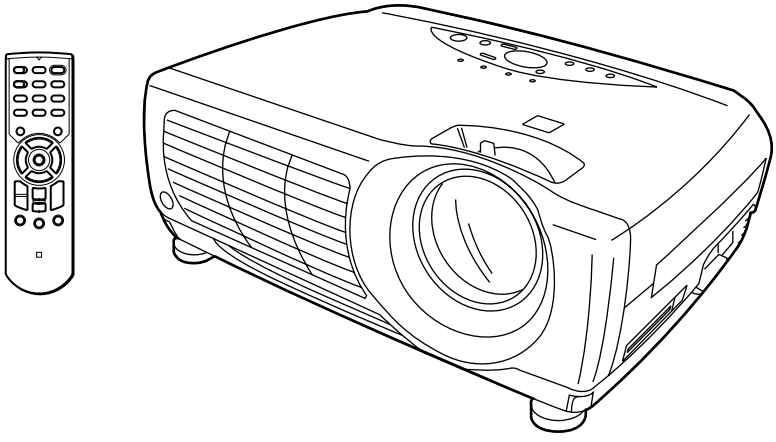
SERVICE MANUAL

MODEL	DEST.	CHASSIS NO.
VPL-PS10	WORLD	
VPL-PX10	WORLD	
VPL-PX15	WORLD	
VPLL-CT10	WORLD	
VPLL-CW10	WORLD	

MODEL	DEST.	CHASSIS NO.
RM-PJM11	WORLD	
RM-PJM15	WORLD	

REVISED-1



VPL-PS10/PX10/PX15	LCD Data Projector
VPLL-CT10/CW10	Projection Lens (Not Included)
RM-PJM11	Remote Commander For VPL-PS10
RM-PJM15	Remote Commander For VPL-PX10/PX15

LCD DATA PROJECTOR

SONY

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠ MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D’ÉVITER TOUT RISQUE D’ÉLECTROCUTION PROVENANT D’UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D’ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L’ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D’UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

ADVARSEL

Lithiumbatteri - Eksplosjonsfare.
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.
Brukt batteri returneres apparatleverandøren.

Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt gällande föreskrifter.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

ADVARSEL!

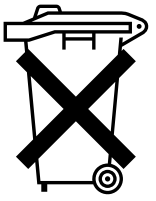
Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

For the customers in the Netherlands
Voor de klanten in Nederland

Dit apparaat bevat een Li-ion batterij voor memory back-up.

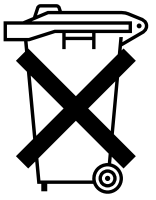
Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.

Gooi de batterij niet weg. maar lever hem in als KCA.



Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

For the customers in the Netherlands
Voor de klanten in Nederland



Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert “Batterie leer” oder nach längerer Gebrauchsdauer der Batterien “nicht mehr einwandfrei funktioniert”. Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

Table of Contents

1. Operating Instructions

1-1. VPL-PX10/PX15/PS10 Operating Instructions 1-1
1-2. VPL-PX15 Operating Instructions for Networking 1-25
1-3. VPL-PX10/PX15/PS10 Installation Manual 1-45
1-4. VPLL-CW10 Operating Instructions 1-55
1-5. VPLL-CT10 Operating Instructions 1-56

2. Service Informations

2-1. Board Layout 2-1
2-2. Disassembly 2-2
2-2-1. Hood Assembly and Front Assembly Removal 2-2
2-2-2. H Board Removal 2-3
2-2-3. NF Board Removal 2-3
2-2-4. C Board Removal 2-4
2-2-5. BB and BA Boards Removal 2-5
2-2-6. Power Block Removal 2-6
2-2-7. Optics Unit Assembly Removal 2-7
2-2-8. GA Board Removal (VPL-PX15 only) 2-8
2-2-9. CE block Removal (VPL-PX15 only) 2-9
2-2-10. QC and CM Boards Removal (VPL-PX15 only) 2-10
2-2-11. Parts from the QC Board Removal (VPL-PX15 only) 2-11
2-2-12. QA Board Removal 2-12
2-2-13. QB Board Removal 2-13
2-2-14. F and V Boards Removal 2-14
2-2-15. Prism Block Assembly and Polarizer Removal 2-15
2-2-16. Lamp Assembly Removal 2-16
2-2-17. Extension Boards and Extension Cables Connection 2-17
2-2-18. VPL-PX15 Tool for Writing Network Software 2-18
2-2-19. Power Cord 2-19
2-2-20. Main soft and Pixel works soft writing 2-20

3. Electrical Adjustments

3-1. Preparations 3-1
3-1-1. Equipment Required 3-1
3-1-2. How to Enter and Use the Factory Mode 3-1
3-2. V-COM Adjustment 3-1
3-3. Adjustment Item Initialize Data 3-2

3-4. Service Kowhow 3-10
3-4-1. After Replacing the Prism Block 3-10
3-4-2. After Replacing the Board 3-10
3-4-2-1. When Replacing the BA Board 3-10
3-4-2-2. When Replacing the C Board 3-10
3-4-2-3. When Replacing the Other Board 3-10
3-5. White Balance Adjustment 3-11
3-5-1. Signal Level Adjustment 3-11
3-5-2. White Balance Adjustment 3-11
3-5-2-1. HIGH Mode of INPUT-A 3-11
3-5-2-2. LOW Mode of INPUT-A 3-11
3-5-2-3. LOW Mode of VIDEO 3-11
3-6. Memory 3-12

4. Semiconductors 4-1

5. Spare Parts

5-1. Notes on Repair Parts 5-1
5-2. Exploded Views 5-2
5-3. Electrical Parts List 5-10

6. Block Diagrams

Overall 6-1
BA, BB (1/5), QA (1/2) 6-2
BB (2/5), (3/5), NF, QA (2/2), QB 6-3
BB (4/5), H, V 6-4
BB (5/5) 6-5
C 6-6
F, G, GA 6-7

7. Diagrams

7-1. Frame Schematic Diagram 7-2
Frame (1/3) 7-2
Frame (2/3) 7-3
Frame (3/3) 7-4
7-2. Schematic Diagrams and Printed Wiring Boards 7-5
Schematic Diagrams
QA (1/2) 7-6
QA (2/2) 7-7
QB (1/3) 7-9

QB (2/3) 7-10
QB (3/3) 7-11
BA (1/2) 7-13
BA (2/2) 7-14
BB (1/7) 7-18
BB (2/7) 7-19
BB (3/7) 7-20
BB (4/7) 7-21
BB (5/7) 7-22
BB (6/7) 7-23
BB (7/7) 7-24
C (1/5) 7-30
C (2/5) 7-31
C (3/5) 7-32
C (4/5) 7-33
C (5/5) 7-34
F 7-38
G (1/3) 7-38
G (2/3) 7-39
G (3/3) 7-40
GA 7-41
H 7-43
V 7-43
NF 7-43
Printed Wiring Boards
QA 7-5
QB 7-8
BA 7-12
BB 7-16
C 7-28
G 7-36
GA 7-36
F 7-37
H 7-42
V 7-42
NF 7-42

Section 1
Operating Instructions

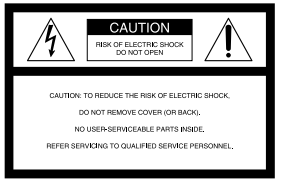
Reprinted from the operating instructions

1-1. VPL-PX10/PX15/PS10 Operating Instructions

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the USA

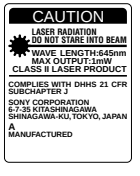
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For the customers of the VPL-PX15/PX10

This label is located on the rear of the Remote Commander.

This label is located on the rear of the Remote Commander.



This label is located on the rear of the Remote Commander.

This label is located on the rear of the Remote Commander.

Laser light shines out of this window.

Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes

- Do not aim the laser at people and do not look into the laser transmitter.
- If the Remote Commander malfunctions or causes a malfunction, consult with qualified Sony personnel. We will exchange the Remote Commander for a new one based on the terms of the guarantee.

For the customers in Canada

This Class A digital apparatus complies with Canadian ICES-003.

For the customers in the United Kingdom

WARNING
THIS APPARATUS MUST BE EARTHED

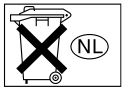
IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Voor de klanten in Nederland



Gooi de batterij niet weg, maar lever hem in als KCA.

The socket-outlet should be installed near the equipment and be easily accessible.

Apparaten ma kun tilkoples jordet stikkontakt.
Apparatet må kun tilkoples jordet stikkontakt.

Warning on power connection

Use a proper power cord for your local power supply.

	The United States, Canada		Continental Europe		UK, Ireland, Australia, New Zealand	Japan
Plug type	VM0233	290B	YP-12A	COX-07	—[1)]	YP332
Female end	VM0089	386A	YC-13B	COX-02	VM0310B	YC-13
Cord type	SJT	SJT	H05VV-F	H05VV-F	N13237/CO-228	VCTF
Rated Voltage & Current	10A/125V	10A/125V	10A/250V	10A/250V	10A/250V	7A/125V
Safety approval	UL/CSA	UL/CSA	VDE	VDE	VDE	DENAN

1) Use the correct plug for your country.

Table of Contents

Overview

Precautions ..... 7 (GB)
Features ..... 8 (GB)
Location and Function of Controls ..... 9 (GB)
Front / Left Side ..... 9 (GB)
Rear / Right Side / Bottom ..... 9 (GB)
Control Panel ..... 11 (GB)
Connector Panel ..... 13 (GB)
Remote Commander (supplied with the VPL-PX15/PX10) ..... 14 (GB)
Remote Commander (supplied with the VPL-PS10) ..... 16 (GB)

Setting Up and Projecting

Installing the Projector ..... 18 (GB)
Connecting the Projector ..... 18 (GB)
Connecting to a Computer ..... 18 (GB)
Connecting to a VCR or 15k RGB/Component Equipment ..... 20 (GB)
Connecting to a LAN (VPL-PX15 only) ..... 21 (GB)
Selecting the Menu Language ..... 23 (GB)
Projecting ..... 24 (GB)

Adjustments and Settings Using the Menu

Using the Menu ..... 27 (GB)
The PICTURE CTRL Menu ..... 28 (GB)
The INPUT SETTING Menu ..... 29 (GB)
The SET SETTING Menu ..... 31 (GB)
The INSTALL SETTING Menu ..... 32 (GB)

Installation

Installation Example ..... 34 (GB)
Notes for Installation ..... 35 (GB)
Unsuitable Installation ..... 35 (GB)
Unsuitable Conditions for Use ..... 35 (GB)

Maintenance

Maintenance ..... 37 (GB)
Replacing the Lamp ..... 37 (GB)
Cleaning the Air Filter ..... 38 (GB)
Troubleshooting ..... 39 (GB)

Other

Specifications ..... 41 (GB)
Index ..... 44 (GB)

Precautions

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected to the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not aim the laser at people and do not look into the laser transmitter.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- Be careful not to catch your fingers with the adjusters when you lift up the projector. Do not push hard on the top of the projector with the adjusters out.
- Be sure to grasp both sides when carrying the projector.

On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

On preventing internal heat build-up

After you turn off the power with the I / ⏻ key on the Remote Commander or on the control panel, do not disconnect the unit from the wall outlet while the cooling fan is still running.

Caution
The projector is equipped with ventilation holes (intake) on the bottom and ventilation holes (exhaust) on the front. Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the projector.

On cleaning

- To keep the cabinet looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner, benzene, or abrasive cleansers, since these will damage the cabinet.
- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Clean the filter at regular intervals, every 300 hours.

On repacking

Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

About the LCD projector

The LCD projector is manufactured using high-precision technology. You may, however, see tiny black points and/or bright points (red, blue, or green) that continuously appear on the LCD projector. This is a normal result of the manufacturing process and does not indicate a malfunction.

Features

High brightness, high picture quality

• High brightness
Adopting a newly developed optical system and a 200 W UHP lamp allows high brightness (VPL-PX15/PX10: light output 2000 ANSI lumen, VPL-PS10: light output 1500 ANSI lumen) and excellent uniformity on the picture.

• High resolution
VPL-PX15/PX10
Three 0.9-inch, approximately 790,000 pixel, XGA panels provide a resolution of 1024 × 768 dots for RGB input and 750 horizontal TV lines for video input.

VPL-PS10
Three 0.9-inch, approximately 480,000 pixel, SVGA panels provide a resolution of 800 × 600 dots for RGB input and 600 horizontal TV lines for video input.

Simple setup

• Simple setup with external equipment
The projector has 37 preset data items for input signals in memory, which allows you to project a clear picture on the screen simply by connecting equipment and pressing the APA (Auto Pixel Alignment) key.

• Compatible with USB (Universal Serial Bus) hub functions
You can connect USB equipment (e.g., a USB mouse) to the projector, and also control the projector by using the "Projector Station" application software (CD-ROM) supplied with the projector from a computer operated with Microsoft[1] Windows[1] 98, Windows 98 SE or Windows 2000. Using this application software, you can open a file you want to use for your presentation with the supplied Remote Commander.

Easy presentation

• Multi functional Remote Commander with mouse control functions
You can operate a computer connected to this projector with the Remote Commander since the unit has a built-in mouse receiver.

• Digital zoom / freeze functions
This projector has a digital zoom function that enables you to enlarge the image at a desired location on the screen. The freeze function allows you to freeze the picture projected. The frozen picture continues to be projected even if the equipment is disconnected from the video source.

Accepts various input signals

• Scan converter loaded
This projector has a built-in scan converter that converts the input signal to 1024 × 768 dots (VPL-PX15/PX10) or 800 × 600 dots (VPL-PS10).

• Compatible input signals
This projector accepts composite, S video, and component video signals as well as 15k RGB, VGA[2], SVGA[2], XGA[2], and SXGA[2] signals, which can all be displayed.

• Compatible with six color systems
Any of the $NTSC_{3.58}$, PAL, SECAM, $NTSC_{4.43}$[3], PAL-M, or PAL-N color systems can be selected automatically or manually.

Other functions

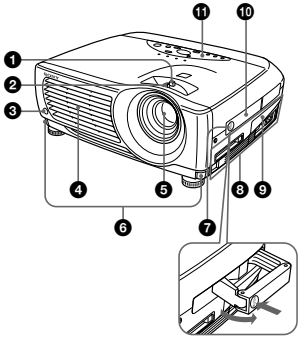
• Networking compatibility (Wireless compatible, VPL-PX15 only)
The projector has the Microsoft Windows CE operating system built in and is equipped with a PC CARD slot and ETHER connector, which allows you to connect the unit to a wired or wireless LAN.

For information on the networking function of this projector, refer to the Operating Instructions for Networking supplied with the unit.

1) Microsoft and Windows are registered trademarks of Microsoft Corporation (U.S.A. and other countries).
2) VGA, SVGA, XGA and SXGA are registered trademarks of the International Business Machines Corporation, U.S.A.
3) $NTSC_{4.43}$ is the color system used when playing back a video recorded on NTSC on an $NTSC_{4.43}$ system VCR.

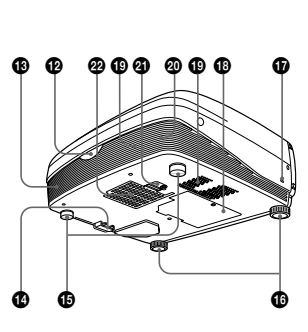
Location and Function of Controls

Front / Left Side



(This illustration shows the VPL-PX15.)

Rear / Right Side / Bottom



❶ Zoom ring
Adjusts the size of the picture.

❷ Focus ring
Adjusts the picture focus.

❸ Front remote control detector

❹ Ventilation holes (exhaust)

❺ Lens
Remove the lens cap before projection.

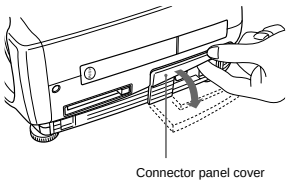
❻ Adjuster buttons

❼ Handle release
Push to make the carrying handle ❿ pop up.

❽ Connector panel
For details, see "Connector Panel" on page 13 (GB).

❾ Connector panel cover
If necessary, open this cover to use the connectors on the connector panel. You can remove the cover by releasing the connector panel cover lock ⓮.

Left side



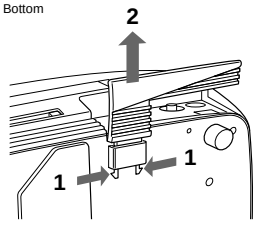
❿ Carrying handle
Use the handle release ❼ to make the handle pop up from the projector for carrying.

⓫ Control panel
For details, see "Control Panel" on page 11 (GB).

⓬ Rear remote control detector

⓭ Left speaker

⓮ Connector panel cover lock
Used to remove/install the connector panel cover ❾.



While pressing both sides of the lock, slide the connector cover outward to release it.

⓯ Rear adjusters

⓰ Adjusters
When a picture is projected on an exterior of the screen, adjust the picture using these adjusters.
For details on how to use the adjusters, see "How to use the adjusters" on page 11 (GB).

⓱ Security lock
Connects to an optional security cable (made by Kensington)[1)].

The security lock corresponds to Kensington's MicroSaver®[1)] Security System.
If you require further information, contact
Kensington
2855 Campus Drive, San Mateo, CA 94403

In North America
Phone: 800-235-6708
Fax: 800-247-1317

Outside North America
Phone: 847-541-9500

Home page address:
http://www.kensington.com/

⓲ Lamp cover

⓳ Ventilation holes (intake)

⓴ Right speaker

㉑ Air filter cover lock
Used to remove the air filter cover.
For details, see "Cleaning the Air Filter" on page 38 (GB).

Note
Clean the air filter every 300 hours to ensure optimal performance.

㉒ Ventilation holes (intake) / air filter cover

Notes
- Do not place anything near the ventilation holes as it may cause internal heat build-up.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.

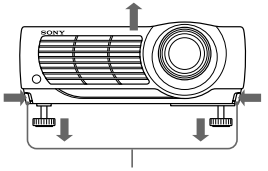
1) Kensington and MicroSaver are registered trademarks of Kensington Technology Group.

How to use the adjusters

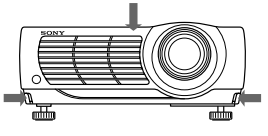
To adjust the height

Adjust the height of the projector as follows:

1 Lift the projector and press the adjuster buttons. The adjusters will extend from the projector.

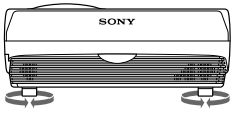


2 While pressing the buttons, adjust the height. Then, release the buttons.
The adjusters will lock, then the height of the projector will be fixed. For fine adjustment, turn the adjusters to the right or left.



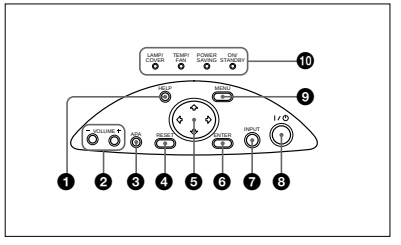
Note
If the adjusters have been extended to the limit and you keep turning the adjusters counterclockwise, the adjusters will stop turning and the adjuster buttons cannot be pressed. In this case, turn the adjusters clockwise, and then press the adjuster buttons again.

3 If necessary, turn the rear adjusters to the right or left to adjust the height of the projector.



Notes
- Be careful not to let the projector down on your fingers.
- Do not push hard on the top of the projector with the adjusters out.

Control Panel



❶ HELP key
If you need help information during an operation, press this key to display help messages. The Help menu lists error recovery techniques depending on problem type.

❷ VOLUME +/– keys
Adjust the volume of the built-in speakers.
+ : Increases the volume.
– : Decreases the volume.

❸ APA (Auto Pixel Alignment) key
Adjusts the picture to be projected automatically to give the clearest picture possible while a signal from the computer is input. Adjusts the shift (up/down and left/right) at the same time automatically.

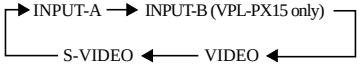
Note
Press the APA key when the full image is displayed on the screen. If there are black edges around the image, the APA function will not function properly and the image may extend beyond the screen.

❹ RESET key
Resets the value of an item to its factory preset value. This key functions when the menu or a setting item is displayed on the screen.

❺ Arrow (↑/↓/←/→) keys
Used to select a menu or to make various adjustments.

❻ ENTER key
Enters the settings of items in the menu system.

❼ INPUT key
Selects the input signal. Each time you press the key, the input signal switches as follows:



Notes

- You can select INPUT-B only if INPUT-B FUNC. in the INSTALL SETTING menu has been set to ON. INPUT-B is only available for the VPL-PX15.
- The audio signals are the same for the VIDEO and S-VIDEO.
- The audio signals are the same for the INPUT-A and INPUT-B.

❽ I / ⏻ (on / standby) key
Turns the projector on and off when the projector is in the standby mode. The ON/STANDBY indicator lights in green when the power is turned on.
When turning off the power, press the I / ⏻ key twice following the message on the screen, or press and hold the key for about one second.
For details on steps for turning off the power, see "To turn off the power" on page 25 (GB).

❾ MENU key
Displays the on-screen menu. Press again to clear the menu.

❿ Indicators
LAMP/COVER: Lights up or flashes under the following conditions:
- Lights up when the lamp has reached the end of its life or has reached a high temperature.
- Flashes when the lamp cover or air filter cover is not secured firmly.

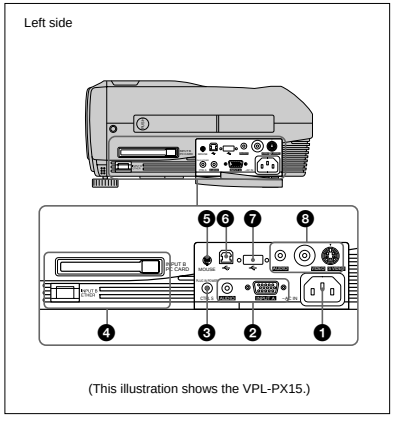
TEMP (Temperature)/FAN: Lights up or flashes under the following conditions:
- Lights up when temperature inside the projector becomes unusually high.
- Flashes when the fan is broken.

POWER SAVING: Lights up when the projector is in the power saving mode. When POWER SAVING in the SET SETTING menu is set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes. Although the lamp goes out, the cooling fan keeps running. The power saving mode is canceled when a signal is input or any key is pressed. However, in the power saving mode, none of the keys function for the first 60 seconds.

ON/STANDBY: Lights up or flashes under the following conditions:
- Lights up in red when the AC power cord is plugged into the wall outlet. Once in the standby mode, you can turn on the projector with the I / ⏻ key.
- Lights up in green when the power is turned on.
- Flashes in green while the cooling fan runs after the power is turned off with the I / ⏻ key. The fan runs for about 90 seconds after turning off the power.
  The ON/STANDBY indicator flashes quickly for the first 60 seconds of that time.
  During this first 60 seconds, you cannot turn the power back on with the I / ⏻ key.

For details on the LAMP/COVER and the TEMP/FAN indicators, see page 40 (GB).

Connector Panel



(This illustration shows the VPL-PX15.)

❶ AC IN socket
Connects the supplied AC power cord.

❷ INPUT A connectors
Connect to external equipment such as a computer.
INPUT A connector (HD D-sub 15-pin, female): Connects to the monitor output on a computer using the supplied cable.
When inputting a component or 15k RGB signal, use the appropriate cable.
For details, see "To connect 15k RGB/Component equipment" on page 21 (GB).
AUDIO jack (stereo minijack): Connects to the audio output of the computer.

❸ CTRL S /PLUG IN POWER (DC 5V output) jack (stereo minijack)
Connects to the control S out jack of Sony equipment. Connects to the CONTROL S OUT jack on the supplied Remote Commander to use it as a wired remote control unit. In this case, you do not need to install batteries in the Remote Commander, since the power is supplied from this jack.

❹ INPUT B connectors (VPL-PX15 only)
INPUT B PC CARD slot (Type II): A wireless LAN PC card or PC memory card can be installed according to your requirements.
For details, see "Installing a PC card" on page 21 (GB).
INPUT B ETHER connector (10BASE-T/100BASE-TX): Connects to a computer on a LAN with a LAN cable when you use the networking function of this projector.

❺ MOUSE connector (6-pin)
Connects to the PS/2 mouse port on a computer via the supplied mouse cable, to control the mouse function of the connected computer.

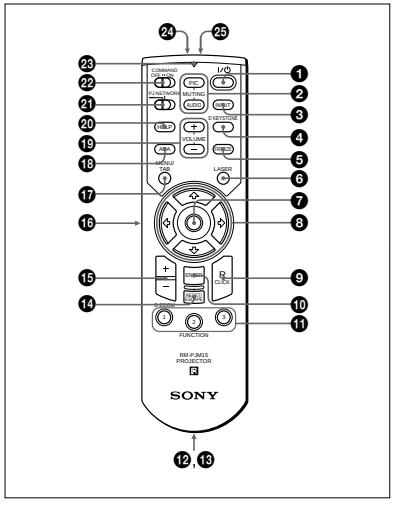
❻ USB connector (USB B-plug for upstream, 4-pin)
Connects to a computer. When you connect the projector to the computer via this connector, the projector recognizes that a USB mouse is connected and you can control the mouse function of the computer connected to the INPUT A connector using the supplied Remote Commander. The supplied application software can be used on the computer connected to this connector.

❼ USB connector (USB A-plug for downstream, 4-pin)
Connects to USB equipment such as a mouse, camera, etc.

❽ Video input connectors
Connect to external video equipment such as a VCR.
S VIDEO connector (mini DIN 4-pin): Connects to the S video output (Y/C video output) of video equipment.
VIDEO jack (phono type): Connects to the composite video output of video equipment.
AUDIO jack (stereo minijack): Connects to the audio output of the VCR.

Remote Commander (supplied with the VPL-PX15/PX10)

Keys which have the same names as those on the control panel function identically.



Notes on the laser beam

- **Do not look into the laser transmitter.**
- **Do not aim the laser at people.**

❶ I / ⏻ (on / standby) key

❷ MUTING keys
Cut off the picture and sound.
PIC: Cuts off the picture. Press again to restore the picture.
AUDIO: Cuts off the sound from the speakers. Press again or press the VOLUME + key to restore the sound.

❸ INPUT key

❹ D KEYSTONE key
Corrects the trapezoidal distortion caused by the projection angle. Use the arrow keys (↑/↓/←/→) to display the image as a rectangle.

❺ FREEZE key
Used to freeze the picture projected. To cancel the frozen picture, press the key again.

❻ LASER key
Emits a laser beam from the laser transmitter while you keep this key pressed.

❼ Mouse
When the PJ/NETWORK select switch is set to PJ: Functions as the mouse of the computer connected to this projector.
When the PJ/NETWORK select switch is set to NETWORK (VPL-PX15 only): Functions as the mouse in the INPUT B window of this projector.

❽ Arrow (↑/↓/←/→) keys

❾ R (right) CLICK key
When the PJ/NETWORK select switch is set to PJ: Functions as the right button of the mouse of the computer connected to this projector.
When the PJ/NETWORK select switch is set to NETWORK (VPL-PX15 only): Functions as the right button of the mouse in the INPUT B window of this projector.

❿ ENTER key

⓫ FUNCTION 1, 2, 3 keys
When the PJ/NETWORK select switch is set to PJ: Functions when the supplied application software is used. When you connect the projector with a computer, you can open a file on the screen by just pressing a FUNCTION key. This will enhance your presentation. To use this function, allocate a file to the FUNCTION key by using the application software. (Only the FUNCTION 1 and 2 keys are available. You cannot allocate a file to the FUNCTION 3 key.)
For details, see the README file and HELP file supplied with the application software.
When the PJ/NETWORK select switch is set to NETWORK (VPL-PX15 only): When the INPUT B window is displayed on the projector, you can start an application by just pressing a FUNCTION key. To use this function, allocate an application to a FUNCTION key. (The FUNCTION 3 key is allocated to the keyboard software display.)

⓬ Strap holder
Attaches the supplied strap.

⓭ CONTROL S OUT jack (stereo minijack)
Connects to the CTRL S jack on the projector with the connecting cable (not supplied) to use the Remote Commander as a wired remote control unit. In this case, you do not need to install batteries in the Remote Commander since the power is supplied via the CTRL S jack on the projector.

⓮ RESET/ESCAPE key
When the PJ/NETWORK select switch is set to PJ: Functions as the RESET key.
When the PJ/NETWORK select switch is set to NETWORK (VPL-PX15 only): Functions as the ESCAPE key of the keyboard when the INPUT B window is displayed.

⓯ D ZOOM +/– key
Enlarges the image at a desired location on the screen. This key works only when a signal from a computer is input.
+: Pressing the + key once displays the icon. This icon indicates the point you want to enlarge. Use an arrow key (↑/↓/←/→) to move the icon to the point to be enlarged. Press the + key repeatedly until the image is enlarged to meet your requirements.
–: Each press of the – key reduces an image that has been enlarged with the D ZOOM + key.

⓰ L (left) CLICK key
When the PJ/NETWORK select switch is set to PJ: Functions as the left button of the mouse of the computer connected to this projector.
When the PJ/NETWORK select switch is set to NETWORK (VPL-PX15 only): Functions as the left button of the mouse in the INPUT B window of this projector.

⓱ MENU/TAB key
When the PJ/NETWORK select switch is set to PJ: Functions as the MENU key.
When the PJ/NETWORK select switch is set to NETWORK (VPL-PX15 only): Functions as the TAB key of the keyboard when the INPUT B window is displayed.

⓲ APA (Auto Pixel Alignment) key

⓳ VOLUME +/– keys

⓴ HELP key
If you need help information during an operation, press this key to display help messages.

㉑ PJ/NETWORK select switch
To use the Remote Commander for network operations, set the switch to NETWORK. Set the switch to PJ to use the Remote Commander for normal operations other than networking. This switch is only available for the VPL-PX15.
For details on the operation of the Windows CE screen, see the supplied "Operating Instructions for Networking."

㉒ COMMAND ON/OFF switch
When this switch is set to OFF, no keys on the Remote Commander will function. This saves battery power.

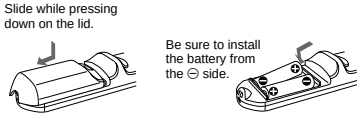
㉓ Transmission indicator
Lights up when you press a key on the Remote Commander.
This indicator does not light up when you use the laser pointer.

㉔ Infrared transmitter

㉕ Laser transmitter

Battery installation

1 Push and slide to open the lid, then install the two R6 (size AA) batteries (supplied) with the correct polarity.



2 Replace the lid.

Notes on batteries

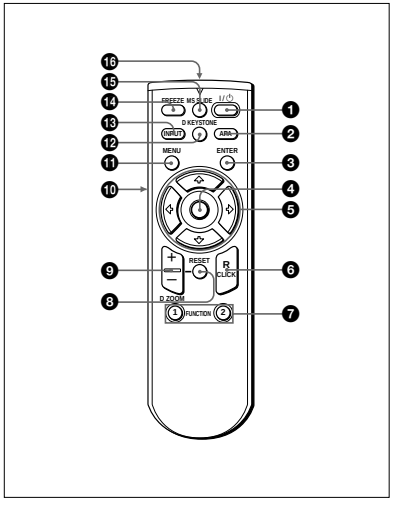
- Make sure that the battery orientation is correct when inserting batteries.
- Do not mix an old battery with a new one, or different types of batteries.
- If you do not intend to use the Remote Commander for a long time, remove the batteries to avoid damage from battery leakage. If batteries have leaked, remove them, wipe the battery compartment dry and replace the batteries with new ones.

Notes on Remote Commander operation

- Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remote control detector on the projector.
- The operation range is limited. The shorter the distance between the Remote Commander and the projector is, the wider the angle within which the commander can control the projector.

Remote Commander (supplied with the VPL-PS10)

Keys which have the same names as those on the control panel function identically.



❶ I / ⏻ (on / standby) key

❷ APA (Auto Pixel Alignment) key

❸ ENTER key

❹ Joystick
Functions as the mouse of the computer connected to this projector.

❺ Arrow (↑/↓/←/→) keys

❻ R (right) CLICK key
Functions as the right button of a mouse.

❼ FUNCTION 1, 2 keys
Functions when the supplied application software is used. When you connect the projector with a computer, you can open a file on the screen by just pressing a FUNCTION key. This will enhance your presentation. To use this function, allocate a file to the FUNCTION key by using the application software.
For details, see the README file and HELP file supplied with the application software.

❽ RESET key
Resets the value of an item to its factory preset value or returns the enlarged image back to its original size.

❾ D ZOOM +/– key
Enlarges the image at a desired location on the screen. This key works only when a signal from a computer is input.

+: Pressing the + key once displays the icon. This icon indicates the point you want to enlarge. Use an arrow key (↑/↓/←/→) to move the icon to the point to be enlarged. Press the + key repeatedly until the image is enlarged to meet your requirements.

–: Each press of the – key reduces an image that has been enlarged with the D ZOOM + key.

❿ L (left) CLICK key
Functions as the left button of a mouse.

⓫ MENU key

⓬ D KEYSTONE key
Corrects the trapezoidal distortion caused by the projection angle. Use the arrow keys (↑/↓/←/→) to display the image as a rectangle.

⓭ INPUT key

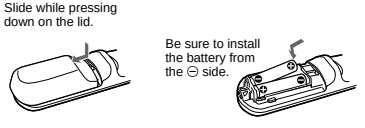
⓮ FREEZE key
Used to freeze the picture projected. To cancel the frozen picture, press the key again.

⓯ MS SLIDE key
This key does not operate with this unit.

⓰ Infrared transmitter

Battery installation

1 Push and slide to open the lid, then install the two R6 (size AA) batteries (supplied) with the correct polarity.



2 Replace the lid.

Notes on batteries

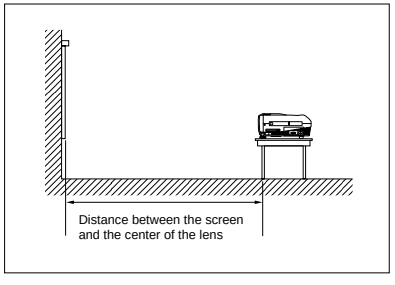
- Make sure that the battery orientation is correct when inserting batteries.
- Do not mix an old battery with a new one, or different types of batteries.
- If you do not intend to use the Remote Commander for a long time, remove the batteries to avoid damage from battery leakage. If batteries have leaked, remove them, wipe the battery compartment dry and replace the batteries with new ones.

Notes on Remote Commander operation

- Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remote control detector on the projector. Direct the Remote Commander toward the front or rear remote control detector.
- The operation range is limited. The shorter the distance between the Remote Commander and the projector is, the wider the angle within which the commander can control the projector.

Installing the Projector

This section describes how to install the projector. The distance between the lens and the screen varies depending on the size of the screen. Use the following table as a guide.



Unit: m (feet)

Screen size (inches)	40	60	80	100	120	150	180	200	250	300
Minimum Distance	1.5 (4.8)	2.2 (7.3)	3.0 (9.8)	3.7 (12.3)	4.5 (14.8)	5.6 (18.5)	6.8 (22.3)	7.5 (24.8)	9.4 (31.0)	11.3 (37.3)
Maximum Distance	1.8 (5.8)	2.7 (8.8)	3.6 (11.8)	4.5 (14.8)	5.4 (17.8)	6.8 (22.2)	8.1 (26.7)	9.1 (29.7)	11.3 (37.2)	13.6 (44.7)

For details, see "Installation Example" on page 34 (GB). For details on ceiling installation, consult with qualified Sony personnel (fee charged).

Connecting the Projector

When making connections, be sure to do the following:

- Turn off all equipment before making any connections.
- Use the proper cables for each connection.
- Insert the cable plugs properly; plugs that are not fully inserted often generate noise or cause picture degradation. When pulling out a cable, be sure to pull it out grasping the plug, not the cable itself.

Connecting to a Computer

This section describes how to connect the projector to a computer.
For more information, refer to the computer's instruction manual.

Notes

- The projector accepts VGA, SVGA, XGA, and SXGA signals. However, we recommend that you set the output mode of your computer to SVGA (VPL-PS10) or XGA (VPL-PX15/PX10) mode for the external monitor.
- If you set your computer, such as a notebook type, to output the signal to both your computer's display and an external monitor, the picture of the external monitor may not appear properly. Set your computer to output the signal to only the external monitor. *For details, refer to the operating instructions supplied with your computer.*
- The supplied mouse cable may not work properly depending on your computer.
- This projector is compatible with DDC2B (Display Data Channel 2B). If your computer is compatible with DDC[1], turn the projector on according to the following procedures.

1 Connect the projector to the computer using the supplied HD D-sub 15-pin cable.

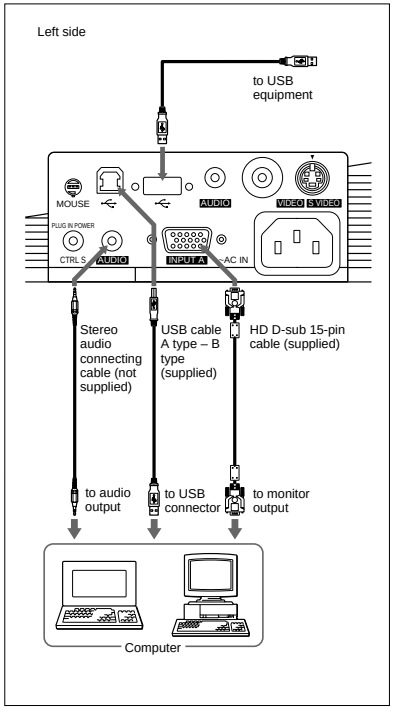
2 Turn the projector on.

3 Start the computer.

1) DDC™ is a registered trademark of the Video Electronics Standards Association.

To connect an IBM[1] PC/AT[1] compatible computer

When you use a USB mouse and USB equipment



On the USB function

When connecting the projector to a computer using the USB cable for the first time, the computer recognizes the following devices automatically.

1 USB hub (general use)
2 USB human interface device (wireless mouse function)
3 USB human interface device (projector control function)

The computer also recognizes the device connected to the downstream connector on the projector.

Recommended operating environment

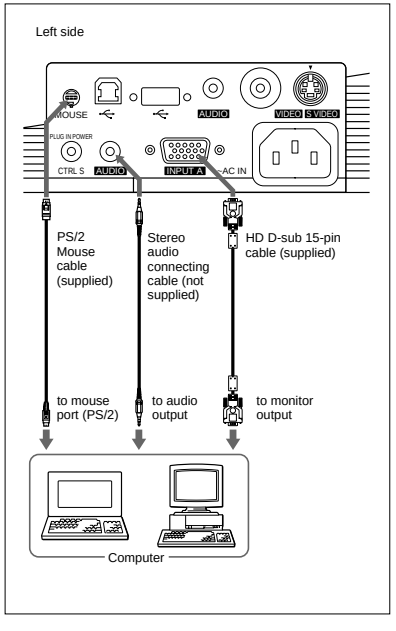
When you use the USB function, connect your computer as illustrated in the box on the left.
This application software and the USB function can be used on a computer loaded with Windows 98, Windows 98 SE or Windows 2000.

Notes

- As the projector recognizes the USB mouse when the computer is connected to the USB connector, do not connect anything to the MOUSE connector.
- Your computer may not start correctly when connected to the projector via the USB cable. In this case, disconnect the USB cable, restart the computer, then connect the computer to the projector using the USB cable.
- This projector is not guaranteed for suspend or standby mode. When you use the projector in suspend or standby mode, disconnect the projector from the USB port on the computer.
- Operations are not guaranteed for all the recommended computer environments.

1) IBM® and PC/AT are a trademark and a registered trademark of International Business Machines Corporation, U.S.A.

When you use a PS/2 mouse port



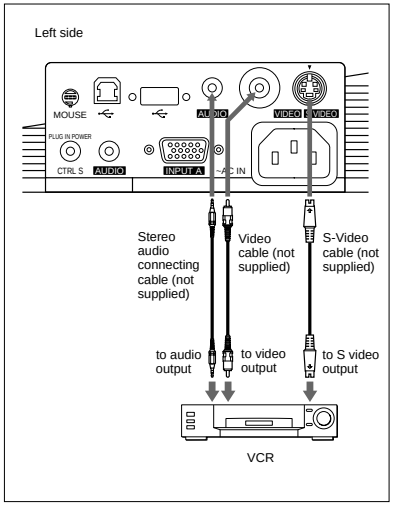
To connect a Macintosh[1] computer

Use an ADP-20 signal adapter (not supplied). In this case, however, you cannot control the mouse of the computer using the Remote Commander.

Connecting to a VCR or 15k RGB/ Component Equipment

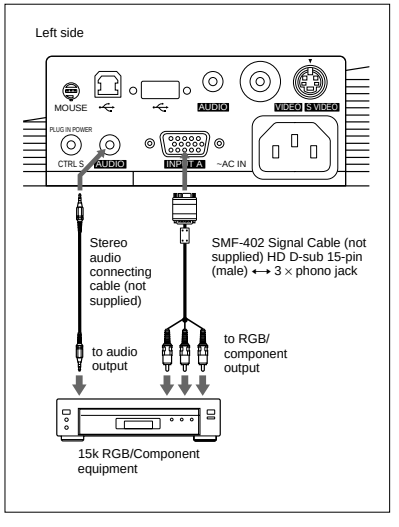
This section describes how to connect the projector to a VCR or 15k RGB/component equipment.
For more information, refer to the instruction manuals of the equipment you are connecting.

To connect a VCR



1) Macintosh is a registered trademark of Apple Computer, Inc.

To connect 15k RGB/Component equipment



Notes

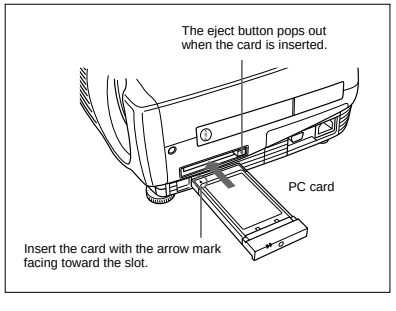
- Set the aspect ratio using ASPECT in the INPUT SETTING menu according to the input signal. *For details, see page 30 (GB).*
- When you connect the projector to 15k RGB/ component video equipment, select RGB, component or VCR GBR with the INPUT-A setting in the SET SETTING menu.
- Use the composite sync signal when you input the external sync signal from 15k RGB/component equipment.

Connecting to a LAN (VPL-PX15 only)

This projector is networking compatible. Using a wireless LAN PC card or a 10BASE-T/100BASE-TX LAN cable, you can connect the projector to a wireless or wired LAN. You can also install a PC memory card.
This section describes how to connect to a LAN and how to install a PC card.
Whenever you connect the projector to a LAN or use a memory card, set INPUT-B FUNC. in the INSTALL SETTING menu to ON.
For details, see page 33 (GB).

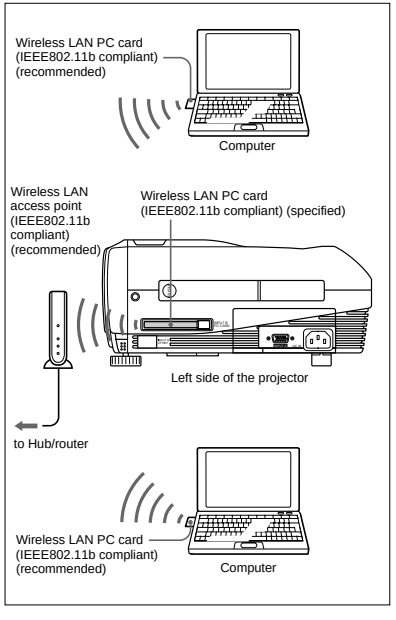
Installing a PC card

When you use a wireless LAN PC card or memory card, insert the card into the INPUT B PC CARD slot.

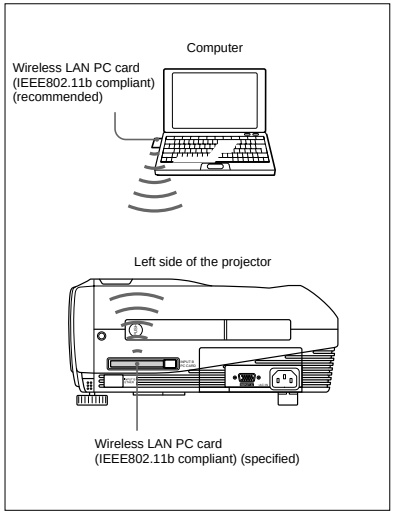


To remove the PC card from the slot, press the eject button.

Connection using a wireless LAN PC card



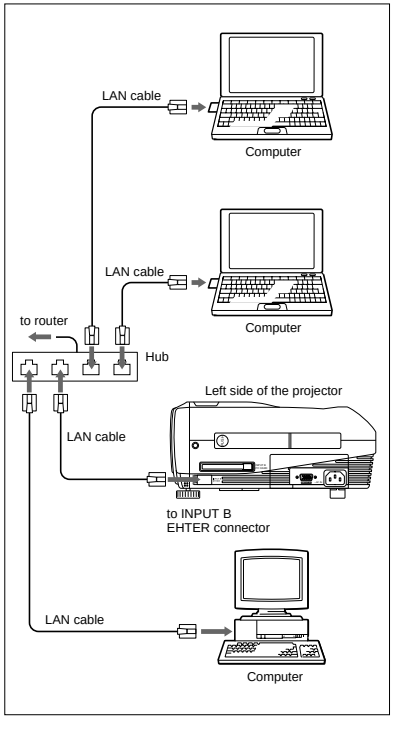
Connection using a wireless LAN PC card (Peer to Peer mode)



Notes

- For details on the recommended PC card or wireless LAN access point, see the supplied “Specified/ recommended PC Card/Wireless LAN Access Point.”
- When you use a LAN, you must set the IP address. For details on how to set the IP address, etc., see the supplied “Operating Instructions for Networking.”

Connecting using the ETHER connector



Installing a memory card

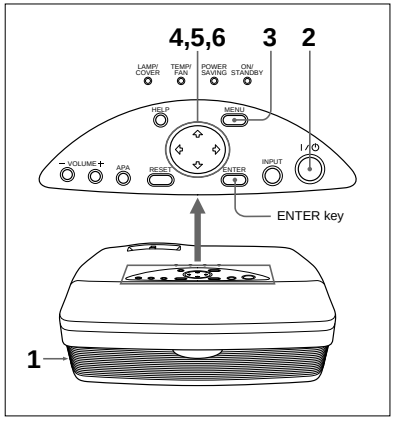
If you store a file created with Microsoft PowerPoint[1)] in a memory card and insert it into the INPUT B PC CARD slot, you can run a presentation without connecting a computer.

For inserting and removing a memory card, see “Installing a PC card” on page 21 (GB).

For details on the recommended memory card, see the supplied “Specified/recommended PC Card/Wireless LAN Access Point.”

Selecting the Menu Language

You can select the language to be used in the menu and other on screen displays from 9 languages. The factory setting is ENGLISH.

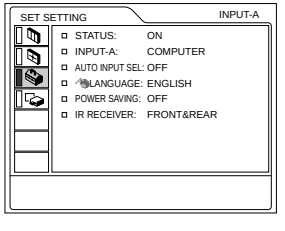


1 Plug the AC power cord into the wall outlet.

2 Press the I / ⏻ key to turn on the power.

3 Press the MENU key.
The menu display appears.

4 Press the ↑ or ↓ key to select the SET SETTING menu, then press the → or ENTER key.
The SET SETTING menu appears.



1) PowerPoint is a registered trademark of Microsoft Corporation (U.S.A. and other countries).

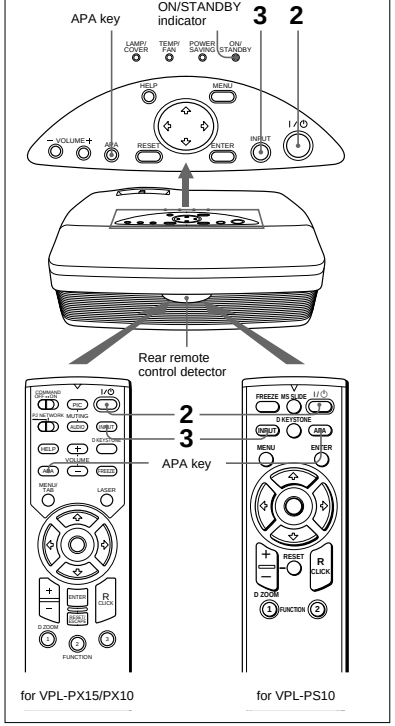
5 Press the ↑ or ↓ key to select LANGUAGE, then press the → or ENTER key.

6 Press the ↑ or ↓ key to select a language, then press the ← or ENTER key.
The menu changes to the selected language.

To clear the menu display

Press the MENU key.
The menu display disappears automatically if no key is pressed for one minute.

Projecting



1 After all equipment is connected completely, plug the AC power cord into the wall outlet.
The ON/STANDBY indicator lights in red and the projector goes into the standby mode.

2 Press the I / ⏻ key to turn on the projector.
The ON/STANDBY indicator lights in green.

3 Turn on all equipment connected to the projector. Press the INPUT key to select the input source.

INPUT-A: Selects the video signal input from the INPUT A connector.
INPUT-B (VPL-PX15 only): Selects display of the INPUT B (Windows CE) window.
VIDEO: Selects the video signal input from the VIDEO jack on the video input connectors.
S-VIDEO: Selects the video signal input from the S VIDEO connector on the video input connectors.

4 Turn the zoom ring to adjust the size of the picture.

5 Turn the focus ring to adjust the focus.

Note

Looking into the lens when the projector is projecting an image may cause injury to your eyes.

To cut off the picture

Press the PIC MUTING key on the Remote Commander (VPL-PX15/PX10 only). To restore the picture, press the PIC MUTING key again.

To get the clearest picture

You can get the best picture automatically when a signal from the computer is input. Press the APA key. The picture is automatically adjusted to project the clearest picture possible.

Notes

- Adjust the signal when a still picture is displayed on the screen.
- Press the APA key when the full image is displayed on the screen. If there are black edges around the image, the APA function will not function properly and the image may extend beyond the screen.
- If you switch the input signal or re-connect a computer, press the APA key again to get the suitable picture.
- "ADJUSTING" appears on the screen. To restore the original screen, press the APA key again during the adjustment.
- "Complete!" appears on the screen when the picture is adjusted properly. However, depending on the kinds of input signal, the picture may not always be adjusted properly.
- Adjust the items in the INPUT SETTING menu when you adjust the picture manually.
For details on the INPUT SETTING menu, see page 29 (GB).

To correct trapezoidal distortion

When the projected image is a trapezoid, correct it by pressing the D KEYSTONE key on the Remote Commander or by adjusting DIGIT KEYSTONE in the INSTALL SETTING menu.

When the base edge is longer than the upper edge as shown in the figure below:

Set the value to negative.

When the upper edge is longer than the base edge as shown in the figure below:

Set the value to positive.

For details on "DIGIT KEYSTONE," see page 33 (GB).

To turn off the power

1 Press the I / ⏻ key.
"Power OFF?" appears on the screen.

Note

The message will disappear if you press any key except the I / ⏻ key, or if you do not press any key for five seconds.

2 Press the I / ⏻ key again.
The ON/STANDBY indicator flashes in green and the fan continues to run for about 90 seconds to reduce internal heat build-up. Also, the ON/STANDBY indicator flashes quickly for the first 60 seconds. During this first 60 seconds, you will not be able to turn the power back on with the I / ⏻ key.

3 Unplug the AC power cord from the wall outlet after the fan stops running and the ON/STANDBY indicator lights in red.

When you cannot confirm the on-screen message

When you cannot confirm the on-screen message at anytime, you can turn off the power by holding the I / ⏻ key for about one second.

Note

Do not unplug the AC power cord while the fan is still running; otherwise, the fan will stop even though the internal heat level is still high. This may lead to a breakdown of the projector.

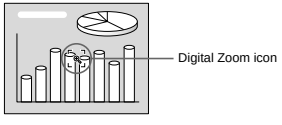
Cleaning the air filter

Clean the air filter every 300 hours to ensure optimal performance.

To enlarge the image (Digital Zoom function)

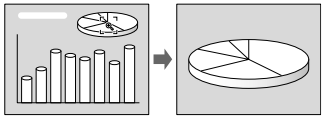
You can enlarge an area on the image you select. This function works only when a signal from a computer is input.

1 Project the original size picture and press the D ZOOM + key on the Remote Commander.
The Digital Zoom icon appears in the center of the image.

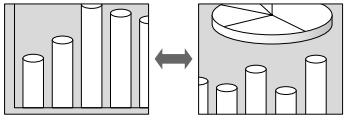


2 Move the icon to a point in the center of the portion of the image you want to enlarge. Use the arrow keys (↑/↓/←/→) to move the icon.

3 Press the D ZOOM + key again.
The portion of the image where the icon is located is enlarged. The magnification ratio is displayed on the screen for a few seconds.
By pressing the + key repeatedly, the image size increases (maximum magnification: 4 times) .



Use the arrow keys (↑/↓/←/→) to scroll the enlarged image.



To return the image to its original size
Press the D ZOOM – key. Pressing the RESET key returns the image to its original size in one operation.

To freeze the image projected (Freeze function)

Press the FREEZE key. “FREEZE” appears when the key is pressed. This function works only when a signal from a computer is input.
To restore the original screen, press the FREEZE key again.

To use the Laser Pointer function (VPL-PX15/PX10 only)

Press the LASER key on the Remote Commander. The laser pointer appears. The pointer is helpful in indicating a particular point on the screen.

Using the Menu

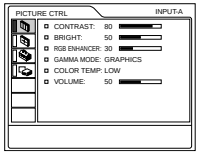
The projector is equipped with an on-screen menu for making various adjustments and settings.

Note

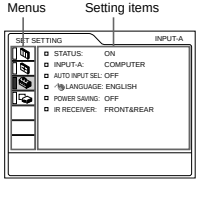
(VPL-PX15/PX10 only)
Before operation, confirm that the PJ/NETWORK select switch on the Remote Commander is set to PJ. If it is set to NETWORK, the menu display will not appear even when you press the MENU key on the Remote Commander.

To select the language used in the menu, see page 23 (GB).

1 Press the MENU key.
The menu display appears.
The menu presently selected is shown as a yellow button.



2 Use the ↑ or ↓ key to select a menu, then press the → or ENTER key.
The selected menu appears.



3 Select an item.
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

4 Make settings or adjustments on an item.
For details on setting individual items, see the relevant menu pages.

To clear the menu

Press the MENU key.
The menu display disappears automatically if no key is pressed for one minute.

To reset items that have been adjusted

Press the RESET key.
“Complete!” appears on the screen and the settings appearing on the screen will be reset to their factory preset values.
Items that can be reset are:
- “CONTRAST, ” “BRIGHT, ” “COLOR, ” “HUE,” “SHARP,” and “RGB ENHANCER” in the PICTURE CTRL menu.
- “DOT PHASE, ” “SIZE H,” and “SHIFT” in the INPUT SETTING menu.
- “DIGIT KEYSTONE” in the INSTALL SETTING menu.

About the retention of the settings

The settings are automatically stored in the projector memory.

When no signal is input

When there is no input signal, “NO INPUT–Cannot adjust this item.” appears on the screen, and the items mentioned above cannot be adjusted.

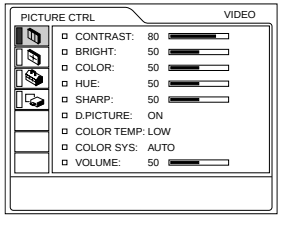
About the menu display

You can set the display position of the menu, the intensity of the background picture, and the color of the menu items as you like.
For details, see page 33 (GB).

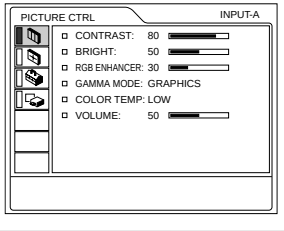
The PICTURE CTRL Menu

The PICTURE CTRL (control) menu is used for adjusting the picture.
Unadjustable items for a particular input signal are not displayed in the menu.

When the video signal is input



When the RGB signal is input



Operation

1. Select an item
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Adjust an item
- When changing the adjustment level:
  To increase the value, press the ↑ or → key.
  To decrease the value, press the ↓ or ← key.
  Press the ENTER key to restore the original screen.
- When changing the setting:
  Press the ↑ or ↓ key to change the setting.
  Press the ENTER or ← key to restore the original screen.

CONTRAST

Adjusts the picture contrast.
The higher the setting, the greater the contrast.
The lower the setting, the lower the contrast.

BRIGHT

Adjusts the picture brightness.
The higher the setting, the brighter the picture.
The lower the setting, the darker the picture.

COLOR

Adjusts color intensity.
The higher the setting, the greater the intensity.
The lower the setting, the lower the intensity.

HUE

Adjusts color tones.
The higher the setting, the more the picture becomes greenish.
The lower the setting, the more the picture becomes purplish.

SHARP

Adjusts the picture sharpness.
The higher the setting, the sharper the picture.
The lower the setting, the softer the picture.

RGB ENHANCER

Adjusts the picture sharpness when RGB signals are input.
The higher the setting, the sharper the picture.
The lower the setting, the softer the picture.

D. (Dynamic) PICTURE

Emphasizes the black color.
ON: Emphasizes the black color to produce a bolder "dynamic" picture.
OFF: Reproduces the dark portions of the picture accurately, in accordance with the source signal.

GAMMA MODE

Selects a gamma correction curve.
GRAPHICS: Improves the reproduction of half tones. Photos can be reproduced in natural tones.
TEXT: Contrasts black and white. Suitable for images that contain lots of text.

COLOR TEMP

Adjusts the color temperature.
HIGH: Makes the white color bluish.
LOW: Makes the white color reddish.

COLOR SYS (System)

Selects the color system of the input signal.
AUTO: Automatically selects one of the following signals: NTSC3.58, PAL, SECAM, NTSC4.43.
PAL-M/N: Automatically selects one of the following signals: PAL-M/PAL-N, NTSC3.58.
Normally, set to AUTO.
If the picture is distorted or colorless, select the color system appropriate to the input signal.

VOLUME

Adjusts the volume. The volume can be adjusted for each of INPUT A, INPUT B (VPL-PX15 only), VIDEO and S VIDEO input.

Input signals and adjustable/setting items

Item	Input signal			
	Video or S video (Y/C)	Component	Video GBR	RGB[1)]
CONTRAST	●	●	●	●
BRIGHT	●	●	●	●
COLOR	● (except for B & W)	●	●	–
HUE	● (NTSC3.58/ 4.43 only)	●	●	–
SHARP	●	●	●	–
RGB ENHANCER	–	–	–	●
D. PICTURE	●	●	–	–
GAMMA MODE	–	–	–	●
COLOR TEMP	●	●	●	●
COLOR SYS	●	–	–	–
VOLUME	●	●	●	●

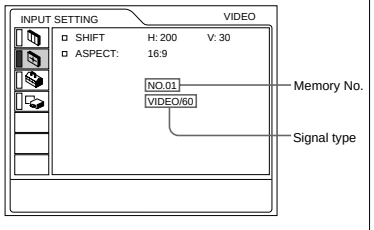
● : Adjustable/can be set
– : Not adjustable/can not be set

1) The RGB signals of a computer

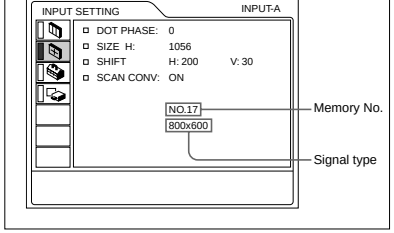
The INPUT SETTING Menu

The INPUT SETTING menu is used to adjust the input signal.
Unadjustable items for a particular input signal are not displayed in the menu.

When the video signal is input



When the RGB signal is input



Operation

1. Select an item
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Adjust an item
- When changing the adjustment level:
  To increase the value, press the ↑ or → key.
  To decrease the value, press the ↓ or ← key.
  Press the ENTER key to restore the original screen.
- When changing the setting:
  Press the ↑ or ↓ key to change the setting.
  Press the ENTER or ← key to restore the original screen.

DOT PHASE

Adjusts the dot phase of the LCD panel and the signal input from the INPUT A/B connector. Adjust the picture further for a finer picture after the picture is adjusted by pressing the APA key. Adjust the picture to the point where it looks clearest.

SIZE H

Adjusts the horizontal size of the picture input from the INPUT A/B connector.
The higher the setting, the larger the horizontal size of the picture.
The lower the setting, the smaller the horizontal size of the picture. Adjust the setting according to the dots of the input signal.
For details on a suitable value for preset signals, see page 31 (GB).

SHIFT

Adjusts the position of the picture input from the INPUT A/B connectors or video input connectors.
H adjusts the horizontal position of the picture.
V adjusts the vertical position of the picture.
As the setting for H increases, the picture moves to the right, and as the setting decreases, the picture moves to the left.
As the setting for V increases, the picture moves up, and as the setting decreases, the picture moves down.
Use the ← or → key to adjust the horizontal position and the ↑ or ↓ key for the vertical position.

ASPECT

Sets the aspect ratio of the picture.
When inputting a 16:9 (squeezed) signal from equipment such as a DVD player, set this to 16:9.
4:3 : When a picture with a ratio of 4:3 is input.
16:9 : When a picture with a ratio of 16:9 (squeezed) is input.

SCAN CONV (Scan converter)

Converts the signal to display the picture according to the screen size.
ON: Displays the picture according to the screen size. The picture will lose some clarity.
OFF: Displays the picture while matching one pixel of the input picture element to that of the LCD. The picture will be clear but the picture size will be smaller.

Note

This item will not be displayed in the following cases.
VPL-PX15/PX10: When an XGA or SXGA signal is input.
VPL-PS10: When an SVGA, XGA or SXGA signal is input.

Input signals and adjustable/setting items

Item	Input signal			
	Video or S video (Y/C)	Component	Video GBR	RGB[1]
DOT PHASE	–	–	–	●
SIZE H	–	–	–	●
SHIFT	●	●	●	●
ASPECT	●	●	●	–
SCAN CONV	–	–	–	●[2]

● : Adjustable/can be set
– : Not adjustable/can not be set

1) The RGB signals of a computer
2) VPL-PX15/PX10: lower than SVGA only; VPL-PS10: lower than VGA only

About the preset memory No.

This projector has 37 kinds of preset data for input signals (the preset memory). The memory number of the current input signal and the signal type are displayed when the preset signal is input. This projector automatically detects the signal type. When the signal has been registered in the preset memory, a suitable picture is displayed on the screen according to the signal type. You can adjust the picture through the INPUT SETTING menu.
This projector also has 20 kinds of user memories for each INPUT A/B. When an unpreset signal is input for the first time, the memory number is displayed as 0. If the input signal is adjusted in the INPUT SETTING menu, the setting made via INPUT A/B is stored. When more than 20 user memory items are registered for each INPUT A/B, the newest memory item is automatically stored over the oldest one.

Preset signals

Memory No.	Preset signal		fH (kHz)	fV (Hz)	Sync	SIZE H
1	Video 60 Hz		15.734	59.940	H-neg V-neg	
2	Video 50 Hz		15.625	50.000	H-neg V-neg	
3	480/60i		15.734	59.940	S on G/Y or	
4	575/50i		15.625	50.000	Composite sync	
6	640 × 350	VGA mode 1	31.469	70.086	H-pos V-neg	800
7		VGA VESA[1] 85 Hz	37.861	85.080	H-pos V-neg	832
8	640 × 400	PC-9801[2] Normal	24.823	56.416	H-neg V-neg	848
9		VGA mode 2	31.469	70.086	H-neg V-pos	800
10		VGA VESA 85 Hz	37.861	85.080	H-neg V-pos	832
11	640 × 480	VGA mode 3	31.469	59.940	H-neg V-neg	800
12		Macintosh 13″	35.000	66.667	H-neg V-neg	864
13		VGA VESA 72 Hz	37.861	72.809	H-neg V-neg	832
14		VGA VESA 75 Hz	37.500	75.000	H-neg V-neg	840
15		VGA VESA 85 Hz	43.269	85.008	H-neg V-neg	832
16	800 × 600	SVGA VESA 56 Hz	35.156	56.250	H-pos V-pos	1024
17		SVGA VESA 60 Hz	37.879	60.317	H-pos V-pos	1056
18		SVGA VESA 72 Hz	48.077	72.188	H-pos V-pos	1040
19		SVGA VESA 75 Hz	46.875	75.000	H-pos V-pos	1056
20		SVGA VESA 85 Hz	53.674	85.061	H-pos V-pos	1048
21	832 × 624	Macintosh 16″	49.724	74.550	H-neg V-neg	1152
22	1024 × 768	XGA VESA 43 Hz	35.524	43.479	H-pos V-pos	1264
23		XGA VESA 60 Hz	48.363	60.004	H-neg V-neg	1344
24		XGA VESA 70 Hz	56.476	69.955	H-neg V-neg	1328
25		XGA VESA 75 Hz	60.023	75.029	H-pos V-pos	1312
26		XGA VESA 85 Hz	68.677	84.997	H-pos V-pos	1376
27	1152 × 864	SXGA VESA 70 Hz	63.995	70.016	H-pos V-pos	1472
28		SXGA VESA 75 Hz	67.500	75.000	H-pos V-pos	1600
29		SXGA VESA 85 Hz	77.487	85.057	H-pos V-pos	1568
30	1152 × 900	Sunmicro LO	61.795	65.960	H-neg V-neg	1504
31		Sunmicro HI	71.713	76.047	Composite sync	1472
32	1280 × 960	SXGA VESA 60 Hz	60.000	60.000	H-pos V-pos	1800
33		SXGA VESA 75 Hz	75.000	75.000	H-pos V-pos	1728
34	1280 × 1024	SXGA VESA 43 Hz	46.433	43.436	H-pos V-pos	1696
35		SGI-5	53.316	50.062	S on G	1680
36		SXGA VESA 60 Hz	63.974	60.013	H-pos V-pos	1696
37		SXGA VESA 75 Hz	79.976	75.025	H-pos V-pos	1688
38		SXGA VESA 85 Hz	91.146	85.024	H-pos V-pos	[3]

1) VESA is a registered trademark of the Video Electronics Standards Association.
2) PC-98 is a registered trademark of NEC Corporation.
3) VPL-PX15/PX10: 1296; VPL-PS10: 1012.

Since the data is recalled from the preset memory for the following signals, you can use this preset data by adjusting SIZE H. Make finer adjustments using SHIFT.

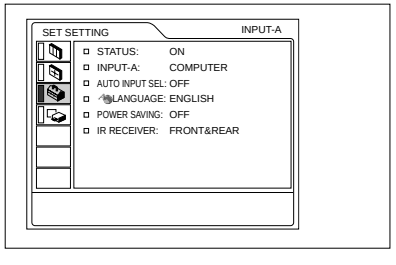
Signal	Memory No.	SIZE H
Super Mac-2	23	1312
SGI-1	23	1320
Macintosh 19″	25	1328
Macintosh 21″	27	1456
Sony News	36	1708
PC-9821 1280 × 1024	36	1600
WS Sunmicro	37	1664

Note

When the aspect ratio of an input signal is other than 4:3, a part of the screen is displayed in black.

The SET SETTING Menu

The SET SETTING menu is used for changing the settings of the projector.



Operation

1. Select an item

Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Change the setting

Press the ↑ or ↓ key to change the setting.
To restore the original screen, press the ENTER or ← key.

STATUS (on-screen display)

Sets up the on-screen display.
ON: Shows all of the on-screen display.
OFF: Turns off the on-screen display except for the menus, a message when turning off the power, and warning messages.
For details on the warning messages, see page 40 (GB).

INPUT-A

Selects the computer, component or video GBR (15k RGB) signal input from the INPUT A connector.

Note
If the setting is not correct, "Please check INPUT-A setting." appears on the screen and the color of the picture becomes strange or the picture is not displayed.

AUTO INPUT SEL

When set to ON, the projector detects input signals in the following order: INPUT-A/INPUT-B (VPL-PX15 only)/VIDEO/S-VIDEO. It indicates the input channel when the power is turned on or the INPUT key is pressed.

LANGUAGE

Selects the language used in the menu and on-screen displays.
Available languages are: English, French, German, Italian, Spanish, Japanese, Chinese, Portuguese and Korean.

POWER SAVING

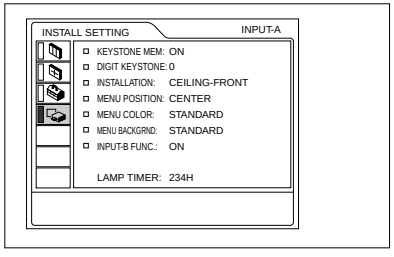
When set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes.

IR RECEIVER

Selects the remote control detectors on the front and rear of the projector.
FRONT & REAR: Activates both the front and rear detectors.
FRONT: Activates the front detector only.
REAR: Activates the rear detector only.

The INSTALL SETTING Menu

The INSTALL SETTING menu is used for changing the install settings of the projector.



INPUT-B FUNC. is displayed only for the VPL-PX15.

Operation

1. Select an item
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Adjust an item
- When changing the adjustment level:
  To increase the value, press the ↑ or → key.
  To decrease the value, press the ↓ or ← key.
  Press the ENTER key to restore the original screen.
- When changing the setting:
  Press the ↑ or ↓ key to change the setting.
  Press the ENTER or ← key to restore the original screen.

KEYSTONE MEM

ON: The DIGIT KEYSTONE setting is stored. The data is retrieved when the projector power is turned on. The setting will remain the same every time.
OFF: The DIGIT KEYSTONE is reset to 0 when the power is turned on next time.

DIGIT KEYSTONE

Corrects the trapezoidal distortion caused by the projection angle.
If the base edge of the image is longer, set a negative value; if the upper edge is longer, set a positive value to display the image as a rectangle.

INSTALLATION

Set this item to reverse the picture horizontally or vertically.
FLOOR-FRONT: The picture is not reversed.
CEILING-FRONT: The picture is reversed horizontally and vertically.
FLOOR-REAR: The picture is reversed horizontally.
CEILING-REAR: The picture is reversed vertically.

Note
When using a mirror, be careful of how the installation is carried out since the picture may be reversed.

MENU POSITION

Selects the display position of the menu from TOP LEFT, BOTTOM LEFT, CENTER, TOP RIGHT and BOTTOM RIGHT.

MENU COLOR

Selects the tone of the menu display from STANDARD, WARM, COOL, GREEN or GRAY.

MENU BACKGRND

Selects the intensity of the background picture of the menu display from DARK, STANDARD or LIGHT.

INPUT-B FUNC. (VPL-PX15 only)

Set to ON when using the Windows CE function.

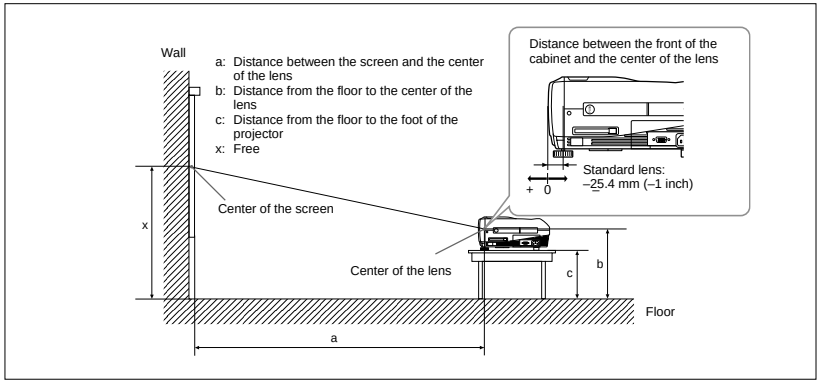
Note
Be sure to exit every application that is open before you switch the setting from ON to OFF. Otherwise, the system may crash and you may not be able to restart the projector.

LAMP TIMER

Indicates how long the lamp has been turned on.

Note
This only displays the time. You cannot alter the display.

Installation Example


Wall
a: Distance between the screen and the center of the lens
b: Distance from the floor to the center of the lens
c: Distance from the floor to the foot of the projector
x: Free
Distance between the front of the cabinet and the center of the lens
Standard lens:
–25.4 mm (–1 inch)
+ 0
Center of the screen
Center of the lens
x
b
c
Floor
a

VPL-PX15/PX10

Unit: mm (inches)

SS		40	60	80	100	120	150	180	200	250	300
a	Minimum	1458 (57 1/2)	2217 (87 1/2)	2977 (117 3/8)	3736 (147 3/8)	4495 (177 1/4)	5635 (221 3/4)	6774 (266 5/8)	7533 (296 1/2)	9432 (371 3/8)	11330 (446 1/8)
	Maximum	1764 (69 3/8)	2675 (105 1/4)	3586 (141 3/8)	4497 (177 1/4)	5408 (213 1/8)	6774 (266 5/8)	8141 (320 5/8)	9052 (356 3/8)	11329 (446 1/8)	13607 (536)
b		x–305 (12)	x–457 (18)	x–610 (24)	x–762 (30)	x–914 (36)	x–1143 (45)	x–1372 (54)	x–1524 (60)	x–1905 (75 1/8)	x–2286 (90 1/8)
c		x–388 (15 3/8)	x–541 (21 3/8)	x–693 (27 3/8)	x–845 (33 3/8)	x–998 (39 3/8)	x–1226 (48 3/8)	x–1455 (57 3/8)	x–1607 (63 3/8)	x–1988 (78 3/8)	x–2369 (93 3/8)

To calculate the installation measurements (unit: mm)

SS: screen size diagonal (inches)
a (minimum) = {(SS × 33.60/0.9071) – 59.7012} × 1.025
a (maximum) = {(SS × 42.376846/0.9071) – 59.62151} × 0.975
b = x – (SS/0.9071 × 6.912)
c = x – (SS/0.9071 × 6.912 + 83.4)

VPL-PS10

Unit: mm (inches)

SS		40	60	80	100	120	150	180	200	250	300
a	Minimum	1461 (57 1/2)	2221 (87 1/2)	2982 (117 3/8)	3742 (147 3/8)	4503 (177 1/4)	5644 (222 1/8)	6784 (267)	7545 (297 3/8)	9446 (372 1/8)	11348 (447)
	Maximum	1767 (69 3/4)	2680 (105 5/8)	3592 (141 3/8)	4505 (177 1/4)	5417 (213 1/2)	6786 (267 3/8)	8154 (321)	9067 (357 1/4)	11348 (447)	13629 (536 3/4)
b		x–305 (12 1/8)	x–458 (18 1/8)	x–611 (24 1/8)	x–763 (30 1/8)	x–916 (36 1/8)	x–1145 (45 1/8)	x–1374 (54 1/8)	x–1527 (60 1/8)	x–1908 (75 1/4)	x–2290 (90 1/4)
c		x–389 (15 3/8)	x–541 (21 3/8)	x–694 (27 3/8)	x–847 (33 3/8)	x–999 (39 3/8)	x–1228 (48 3/8)	x–1457 (57 3/8)	x–1610 (63 1/2)	x–1992 (78 1/2)	x–2373 (93 1/2)

To calculate the installation measurements (unit: mm)

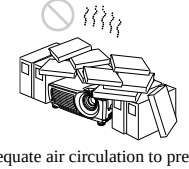
SS: screen size diagonal (inches)
a (minimum) = {(SS × 33.59/0.9055) –59} × 1.025
a (maximum) = {(SS × 42.370377/0.9055) – 58.9761} × 0.975
b = x – (SS/0.9055 × 6.912)
c = x – (SS/0.9055 × 6.912 + 83.4)

Notes for Installation

Unsuitable Installation

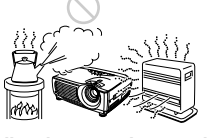
Do not install the projector in the following situations. These installations may cause malfunction or damage to the projector.

Poorly ventilated



- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes. When internal heat builds up due to blockage of the ventilation holes, the temperature sensor may function, a warning message will be displayed, and the power may be turned off automatically after one minute.
- Leave space of more than 50 cm (19 3/4 inches) around the unit.
- Be careful that the ventilation holes do not inhale tiny objects such as pieces of paper.

Highly heated and humid



- Avoid installing the unit in a location where the temperature or humidity is very high, or the temperature is very low.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.

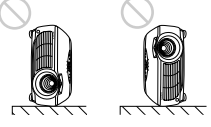
Very dusty

Avoid installing the unit in a location where there is a lot of dust; otherwise, the air filter will clog. The dust blocking the air through the filter may cause the internal heat level of the projector to rise. Clean the filter periodically.

Unsuitable Conditions for Use

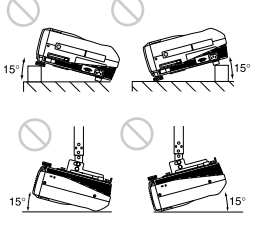
Do not do any of the following.

Toppling the unit



Avoid standing the unit on its side as the unit may topple over. This may cause a malfunction.

Tilting the unit more than 15 degrees



Avoid tilting the unit at an angle of more than 15 degrees. Installation of the unit in this manner may cause a malfunction.

Blocking the ventilation holes

Avoid using something that covers over the ventilation holes (exhaust/intake); otherwise, the internal heat level may build up.

Removing the adjusters

Avoid using the unit with the adjusters removed. Blocking the ventilation holes (intake) may cause internal heat build-up.

Maintenance

Notes

- **If the lamp breaks, consult with qualified Sony personnel.**
- Pull out the lamp unit by holding the handle. If you touch the lamp unit, you may be burned or injured.
- When removing the lamp unit, make sure it remains horizontal, then pull straight up. Do not tilt the lamp unit. If you pull out the lamp unit while it is tilted and if the lamp breaks, the pieces may scatter, causing injury.

Replacing the Lamp

When the lamp has burnt out or dims, or "Please replace the LAMP." appears on the screen, replace the lamp with a new one. The lamp life varies depending on conditions of use. The message appears after 1500 hours of use.
Use an LMP-P202 Projector Lamp as the replacement lamp.

When replacing the lamp after using the projector

Turn off the projector, then unplug the power cord. Wait for at least an hour for the lamp to cool.

Note

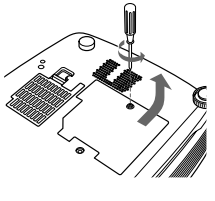
The lamp remains at a high temperature after you turn off the projector with the I / ⏻ key. If you touch the lamp, you may burn your finger. When you replace the lamp, wait for at least an hour for the lamp to cool.

1 Place a protective sheet (cloth) beneath the projector. Hold the projector handle and place the projector face down.

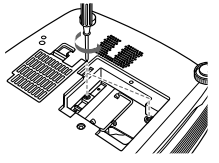
Note

When replacing the lamp, be sure the projector is on a flat and stable surface.

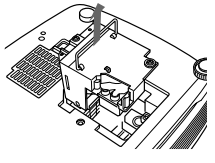
2 Slide open the lamp cover after loosening its screw with a Phillips screwdriver.



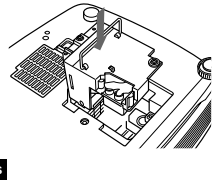
3 Loosen the screws on the lamp unit with the Phillips screwdriver.



4 While holding the handle and keeping the lamp unit horizontal, pull straight up.



5 Insert the new lamp all the way in until it is securely in place. Tighten the two screws. Fold down the handle.



Notes

- Be careful not to touch the glass surface of the lamp.
- The power will not turn on if the lamp is not secured properly.

6 Close the lamp cover and tighten the screw.

7 Turn the projector back over.

8 Connect the power cord and turn the projector to the standby mode.

9 Press the following keys on the control panel in the following order for less than five seconds each: RESET, ←, →, ENTER.

Notes

- Be sure to use an LMP-P202 Projector Lamp for replacement. If you use lamps other than the LMP-P202, the projector may malfunction.
- Be sure to turn off the projector and unplug the power cord before replacing the lamp.
- Do not put your hands into the lamp replacement socket, and do not allow any liquid or objects to fall into it to avoid electrical shock or fire.

Disposal of a used projector lamp

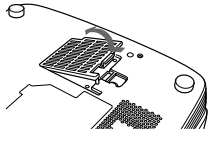
As the materials used in this lamp are similar to those of a fluorescent lamp, you should dispose of a used projector lamp in the same way as a fluorescent lamp.

Cleaning the Air Filter

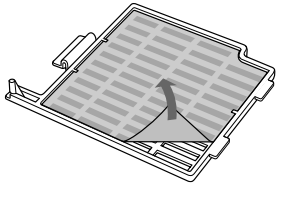
The air filter should be cleaned every 300 hours.
When it becomes difficult to remove the dust from the filter, replace the filter with a new one.
To clean the air filter, follow the steps below:

1 Turn off the power and unplug the power cord.

2 Remove the air filter cover at the bottom of the projector.



3 Remove the air filter.



4 Wash the air filter with a mild detergent solution and dry it in a shaded place.

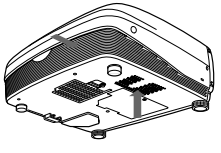
5 Hook the air filter on the holders of the air filter cover, then set the filter and replace the cover.

Notes

- If the dust cannot be removed from the air filter, replace the air filter with the supplied new one.
- Be sure to attach the air filter cover firmly; the power cannot be turned on if it is not closed securely.
- Place the air filter so that it fits in a notch on the air filter cover.

To clean the ventilation holes

When you clean the air filter, clean the ventilation holes (intake, rear and bottom) also. Remove the dust from the outside of the ventilation holes with a vacuum cleaner.



Troubleshooting

If the projector appears to be operating erratically, try to diagnose and correct the problem, using the following guide. If the problem still persists, consult with qualified Sony personnel.

Power

Symptom	Cause	Remedy
The power is not turned on.	The power has been turned off and on with the I / ⏻ key at too short an interval.	Wait for about 90 seconds before turning on the power *(see page 25 (GB))*.
	The lamp cover is detached.	Close the lamp cover securely *(see page 37 (GB))*.
	The air filter cover is detached.	Close the air filter cover securely *(see page 38 (GB))*.

Image

Symptom	Cause	Remedy
No picture.	A cable is disconnected or not connected properly.	Check that the proper connections have been made *(see pages 18 (GB) to 23 (GB))*.
	The input selection is incorrect.	Select the input source correctly using the INPUT key *(see page 24 (GB))*.
	The picture is cut off.	Press the PIC MUTING key on the VPL-PX15/PX10 Remote Commander to release the muting function *(see page 14 (GB))*.
	The computer signal is not set to output to an external monitor.	Set the computer signal to output to an external monitor *(see page 18 (GB))*.
	The computer signal is set to output to both the LCD of the computer and an external monitor.	Set the computer signal to output only to an external monitor *(see page 18 (GB))*.
The picture is noisy.	Noise may appear on the background depending on the combination of the numbers of dot input from the connector and numbers of pixels on the LCD panel.	Change the desktop pattern on the connected computer.
On-screen display does not appear.	STATUS in the SET SETTING menu has been set to OFF.	Set STATUS in the SET SETTING menu to ON *(see page 32 (GB))*.
The picture from INPUT B is frozen. (VPL-PX15 only)	There is something wrong with the Windows CE software.	Set INPUT-B FUNC. in the INSTALL SETTING menu to OFF, then set it to ON again *(see page 33 (GB))*.
The color balance of the video picture is not correct.	The color system of the input signal is not set correctly.	Set COLOR SYS in the PICTURE CTRL menu to match the color system of the input signal *(see page 29 (GB))*.

Sound

Symptom	Cause	Remedy
No Sound.	A cable is disconnected or not connected properly.	Check that the proper connections have been made *(see pages 18 (GB) to 23 (GB))*.
	The sound is cut off.	Press the AUDIO MUTING key on the VPL-PX15/PX10 Remote Commander to release the muting function *(see page 14 (GB))*.
When inputting sound through the AUDIO jack, sound comes through one channel only.	Monaural sound is being input through the AUDIO jack.	Input stereo sound.

Others

Symptom	Cause	Remedy
The LAMP/COVER indicator flashes.	The lamp cover or the air filter cover is detached.	Attach the cover securely *(see pages 37 (GB) and 38 (GB))*.
The LAMP/COVER indicator lights up.	The lamp has reached the end of its life.	Replace the lamp *(see page 37 (GB))*.
	The lamp has reached too a high temperature.	Wait for 90 seconds to cool down the lamp and turn on the power again *(see page 25 (GB))*.
The TEMP/FAN indicator flashes.	The fan is broken.	Consult with qualified Sony personnel.
The TEMP/FAN indicator lights up.	The internal temperature is unusually high.	Check to see if nothing is blocking the ventilation holes.
Both LAMP/COVER and TEMP/FAN indicators light up.	The electrical system has failed.	Consult with qualified Sony personnel.
The INPUT B window does not appear, or INPUT B cannot be selected. (VPL-PX15 only)	INPUT-B FUNC. is set to OFF.	Set INPUT-B FUNC. in the INSTALL SETTING menu to ON *(see page 33 (GB))*.
The menu display does not appear even when you press the MENU key on the VPL-PX15/PX10 Remote Commander.	The PJ/NETWORK select switch on the Remote Commander is set to NETWORK.	Set the PJ/NETWORK select switch to PJ, then press the MENU key.

Warning messages

Use the list below to check the meaning of the messages displayed on the screen.

Message	Meaning	Remedy
High temp.! Lamp off in 1 min.	Internal temperature is too high.	Turn off the power. Check to see if something is blocking the ventilation holes.
Frequency is out of range!	This input signal cannot be projected as the frequency is out of the acceptable range of the projector.	Input a signal that is within the frequency range.
	The resolution setting of the output signal of the computer is too high.	Set the setting of output to XGA (VPL-PX15/PX10) or SVGA (VPL-PS10) *(see page 18 (GB))*.
Please check INPUT-A setting.	You have input an RGB signal from the computer when INPUT-A in the SET SETTING menu is set to COMPONENT or VIDEO GBR.	Set INPUT-A correctly *(see page 32 (GB))*.
Please replace the LAMP.	It is time to replace the lamp.	Replace the lamp.
Backup Battery Very Low (VPL-PX15 only)	The backup battery for the Windows CE OS is exhausted.	Consult with qualified Sony personnel.

Caution messages

Use the list below to check the meaning of the messages displayed on the screen.

Message	Meaning	Remedy
NO INPUT	No input signal	Check connections *(see pages 18 (GB) to 23 (GB))*.
Not applicable!	You have pressed the wrong key.	Press the appropriate key.

Specifications

Optical characteristics

Projection system: 3 LCD panels, 1 lens, projection system

LCD panel:
- VPL-PX15/PX10: 0.9-inch TFT LCD panel with micro-lens array, 2,359,296 pixels (786,432 pixels × 3)
- VPL-PS10: 0.9-inch TFT LCD panel, 1,440,000 pixels (480,000 pixels × 3)

Lens: 1.3 times zoom lens (manual) f 33.6 to 42 mm/F 1.7 to 2.1

Lamp: 200 W UHP

Projection picture size: Range: 40 to 300 inches (diagonal measure)

Light output:
- VPL-PX15/PX10: ANSI lumen[1] 2000 lm
- VPL-PS10: ANSI lumen 1500 lm

Throwing distance:

VPL-PX15/PX10 (When an XGA signal is input)
- 40-inch: 1458 to 1764 mm (57 1/2 to 69 3/8 inches)
- 60-inch: 2217 to 2675 mm (87 1/2 to 105 1/4 inches)
- 80-inch: 2977 to 3586 mm (117 3/8 to 141 3/8 inches)
- 100-inch: 3736 to 4497 mm (147 3/8 to 177 1/4 inches)
- 120-inch: 4495 to 5408 mm (177 1/4 to 213 1/8 inches)
- 150-inch: 5635 to 6774 mm (221 3/4 to 266 5/8 inches)
- 180-inch: 6774 to 8141 mm (266 5/8 to 320 5/8 inches)
- 200-inch: 7533 to 9052 mm (296 1/2 to 356 3/8 inches)
- 250-inch: 9432 to 11329 mm (371 3/8 to 446 1/8 inches)
- 300-inch: 11330 to 13607 mm (446 1/8 to 536 inches)

VPL-PS10 (When an SVGA signal is input)
- 40-inch: 1461 to 1767 mm (57 1/2 to 69 3/4 inches)
- 60-inch: 2221 to 2680 mm (87 1/2 to 105 5/8 inches)
- 80-inch: 2982 to 3592 mm (117 3/8 to 141 3/8 inches)
- 100-inch: 3742 to 4505 mm (147 3/8 to 177 1/4 inches)
- 120-inch: 4503 to 5417 mm (177 1/4 to 213 1/2 inches)
- 150-inch: 5644 to 6786 mm (222 1/8 to 267 3/8 inches)
- 180-inch: 6784 to 8154 mm (267 to 321 inches)
- 200-inch: 7545 to 9067 mm (297 3/8 to 357 1/4 inches)
- 250-inch: 9446 to 11348 mm (372 1/8 to 447 inches)
- 300-inch: 11348 to 13629 mm (447 to 536 3/4 inches)

Electrical characteristics

Color system: $NTSC_{3.58}$/PAL/SECAM/$NTSC_{4.43}$/PAL-M/PAL-N system, switched automatically/manually

Resolution:
- VPL-PX15/PX10: 750 horizontal TV lines (Video input) 1024 × 768 dots (RGB input)
- VPL-PS10: 600 horizontal TV lines (Video input) 800 × 600 dots (RGB input)

Acceptable computer signals: fH: 15 to 91 kHz, fV: 43 to 85 Hz

Speaker: Stereo speakers system, 28 mm (1 1/8 inches) diameter, max. 0.5 W × 2

Input/Output

Video input:

S VIDEO: Y/C mini DIN 4-pin type (female)
Y (luminance): 1 Vp-p ±2 dB sync negative (75 ohms terminated)
C (chrominance): burst 0.286 Vp-p ±2 dB (NTSC) (75 ohms terminated), burst 0.3 Vp-p ±2 dB (PAL) (75 ohms terminated)

VIDEO: phono type
Composite video: 1 Vp-p ±2 dB sync negative (75 ohms terminated)

1) ANSI lumen is a measuring method of American National Standards Institute IT7.228.

AUDIO: Stereo minijack 500 mVrms, impedance more than 47 kilohms

INPUT A — INPUT A: HD D-sub 15-pin (female)
- Analog RGB/component:
- R/R-Y: 0.7 Vp-p ±2 dB (75 ohms terminated)
- G: 0.7 Vp-p ±2 dB (75 ohms terminated)
- G with sync/Y: 1 Vp-p ±2 dB sync negative (75 ohms terminated)
- B/B-Y: 0.7 Vp-p ±2 dB (75 ohms terminated)
- SYNC/HD: Composite sync input: 1-5 Vp-p high impedance, positive/negative
- Horizontal sync input: 1-5 Vp-p high impedance, positive/negative
- VD: Vertical sync input: 1-5 Vp-p high impedance, positive/negative
- AUDIO: Stereo minijack 500 mVrms, impedance more than 47 kilohms

MOUSE — 6-pin (female) *(For details, see "Pin assignment" on page 43 (GB).)*

INPUT B (VPL-PX15 only)
- ETHER
  - 10BASE-T standard
  - 100BASE-TX standard
- PC CARD slot
  - PC CARD slot Type II

USB hub — Up (B type: female) × 1; Down (A type: female) × 1

CONTROL S IN/PLUG IN POWER — Stereo minijack 5 Vp-p, plug in power, 5 V DC

Safety regulations
- UL1950
- cUL (CSA No. 950)
- FCC Class A
- IC Class A
- NEMKO (EN60950)
- CE (LVD, EMC)
- C-Tick

Laser beam (VPL-PX15/PX10 only)

Laser type	Class 2
Wavelength	645 nm
Output	1 mW

General

Dimensions	325 × 110 × 285 mm (12 7/8 × 4 3/8 × 11 1/4 inches) (w/h/d) (without the projection parts)
Mass	VPL-PX15: Approx. 5.3 kg (11 lb 11 oz) VPL-PX10/PS10: Approx. 4.9 kg (10 lb 13 oz)
Power requirements	
	VPL-PX15: AC 100 to 240 V, 3.0–1.25 A, 50/60 Hz
	VPL-PX10/PS10: AC 100 to 240 V, 2.9–1.2 A, 50/60 Hz
Power consumption	
	VPL-PX15: Max. 300 W (Standby mode: 4.9 W) (When INPUT-B FUNC. is set to ON: 9.0 W)
	VPL-PX10/PS10: Max. 290 W (Standby mode: 4.7 W)
Heat dissipation	VPL-PX15: 1023.9 BTU VPL-PX10/PS10: 989.6 BTU
Operating temperature	0 °C to 35 °C (32 °F to 95 °F)
Operating humidity	35 % to 85 % (no condensation)
Storage temperature	–20 °C to 60 °C (–4 °F to 140 °F)
Storage humidity	10 % to 90 %
Supplied accessories	
	Remote Commander RM-PJM15 (VPL-PX15/PX10 only) (1)
	Remote Commander RM-PJM11 (VPL-PS10 only) (1)
	R6 (Size AA) batteries (2)
	HD D-sub 15-pin cable (2 m) (1) (1-791-992-21)
	PS/2 Mouse Cable (2 m) (1) (1-792-424-12)
	USB cable A type – B type (1) (1-790-081-11)
	CD-ROM (Application software) (1)
	Strap for Remote Commander (VPL-PX15/PX10 only) (1)

- AC power cord (1)
- Air filter (for replacement) (1)
- Lens cap (1)
- Operating Instructions (1)
- Operating Instructions for Networking (VPL-PX15 only) (1)
- Installation Manual for Dealers (1)
- Specified/recommended PC Card/ Wireless LAN Access Point (VPL-PX15 only) (1)
- Quick Reference Card (1)

Design and specifications are subject to change without notice.

Optional accessories

Projector Lamp LMP-P202 (for replacement)
Projector Suspension Support PSS-610
Monitor Cable
- SMF-410 (HD D-sub 15-pin (male) ⟷ HD D-sub 15-pin (male))

Signal Cable
- SMF-402 (HD D-sub 15-pin (male) ⟷ 3 × phono jack)

Signal Adapter
- ADP-20 (Macintosh ⟷ HD D-sub 15-pin)

Projection Lens
- Short Focal Length Converter Lens VPLL-CW10
- Long Focal Length Converter Lens VPLL-CT10

Some of the items may not be available in some areas. For details, please consult your nearest Sony dealer.

Pin assignment

INPUT A connector (HD D-sub 15-pin, female)

1	R/R-Y	9	N.C.
2	G/Y	10	GND
3	B/B-Y	11	GND
4	GND	12	DDC/SDA
5	GND	13	HD/C.Sync
6	GND (R)	14	VD
7	GND (G)	15	DDC/SCL
8	GND (B)		

MOUSE connector (6-pin, female)

1	DATA
2	N.C.
3	GND
4	+5 V
5	CLK
6	N.C.

Index

A

Adjuster 11 (GB)
Adjusting
  retention of the settings 27 (GB)
  the picture 28 (GB)
  the picture size/shift 24 (GB)
Air filter 38 (GB)
APA function 24 (GB)
ASPECT 30 (GB)
AUTO INPUT SEL 32 (GB)

B

Battery
  installation 16 (GB), 17 (GB)
  notes 16 (GB), 17 (GB)
BRIGHT 28 (GB)

C

Carrying handle 9 (GB)
COLOR 28 (GB)
COLOR SYS (System) 29 (GB)
COLOR TEMP 28 (GB)
Condensation 35 (GB)
Connections
  component equipment 20 (GB)
  computer 18 (GB)
  LAN 21 (GB)
  VCR 20 (GB)
CONTRAST 28 (GB)
Cut off
  the picture 24 (GB)
  the sound 14 (GB)

D, E, F

DIGIT KEYSTONE 33 (GB)
D. (Dynamic) PICTURE 28 (GB)
DOT PHASE 29 (GB)
Freeze function 26 (GB)

G

GAMMA MODE 28 (GB)

H

HUE 28 (GB)

I, J, K

INPUT-A 32 (GB)
INPUT-B FUNC. 33 (GB)
INPUT SETTING menu 29 (GB)
INSTALL SETTING menu 32 (GB)
INSTALLATION 33 (GB)
Installation example 34 (GB)
IR RECEIVER 32 (GB)
KEYSTONE MEM 33 (GB)

L

Lamp replacement 37 (GB)
LAMP TIMER 33 (GB)
LANGUAGE 32 (GB)
Location and function of controls
  connector panel 13 (GB)
  control panel 11 (GB)
  front / left side 9 (GB)
  rear / right side / bottom 9 (GB)
  Remote Commander 14 (GB), 16 (GB)

M, N

Menu
  clearing the menu display 27 (GB)
  INPUT SETTING menu 29 (GB)
  INSTALL SETTING menu 32 (GB)
  PICTURE CTRL menu 28 (GB)
  SET SETTING menu 31 (GB)
  using the menu 27 (GB)
MENU BACKGRND 33 (GB)
MENU COLOR 33 (GB)
MENU POSITION 33 (GB)
Messages
  cautions 40 (GB)
  warnings 40 (GB)
Notes for installation
  unsuitable conditions for use 35 (GB)
  unsuitable installation 35 (GB)

O

Optional accessories 43 (GB)

P, Q

PICTURE CTRL menu 28 (GB)
Pin assignment 43 (GB)
Power
  turn off 25 (GB)
  turn on 23 (GB)
POWER SAVING 12 (GB), 32 (GB)
Precautions 7 (GB)
Projecting 24 (GB)

R

Remote Commander (VPL-PS10) 16 (GB)
Remote Commander (VPL-PX15/PX10) 14 (GB)
Remote control detector
  front 9 (GB)
  rear 9 (GB)
  setting 32 (GB)
Reset
  resettable items 27 (GB)
  resetting the item 27 (GB)
RGB ENHANCER 28 (GB)

S

SCAN CONV (Scan converter) 30 (GB)
Screen size 41 (GB)
SET SETTING menu 31 (GB)
SHARP 28 (GB)
SHIFT 30 (GB)
SIZE H 30 (GB)
Specifications 41 (GB)
STATUS (on-screen display) 32 (GB)
Supplied accessories 42 (GB)

T, U

Troubleshooting 39 (GB)

V, W, X, Y, Z

Ventilation holes
  exhaust 9 (GB)
  intake 10 (GB)
VOLUME 29 (GB)

お問い合わせは
「ソニー業務用製品ご相談窓口のご案内」にある窓口へ

ソニー株式会社　〒141-0001　東京都品川区北品川6-7-35
ソニーマーケティング株式会社 情報システム営業本部　〒108-0074　東京都港区高輪4-10-18

http://www.world.sony.com/

Printed on recycled paper

Printed in Japan

Reprinted from the operating instructions

SONY

VPL-PX15/FX50/FE110J/FE110U/FE110M

SONY

4-080-676-**41**(1)

LCD Data Projector

取扱説明書（ネットワーク編） JP

Operating Instructions for Networking GB

Instructions en cas de mise en réseau FR

Manual de instrucciones de red ES

Bedienungsanleitung für das Arbeiten im Netzwerk DE

Manuale di rete IT

网络用使用手册 CS

お買い上げいただきありがとうございます。

⚠警告 ソフトウェア製品は、安全のための注意事項を守らないと、健康を害することがあります。

この取扱説明書には、健康を守るための重要な注意事項と製品の取り扱いかたを示してあります。この取扱説明書をよくお読みのうえ、製品をお使いください。お読みになったあとは、いつでも見られるところに必ず保管してください。

VPL-PX15
VPL-FX50
VPL-FE110J/110U/110M

© 2001 Sony Corporation

Table of Contents

Before Using

Features ..... 4 (GB)
Precautions ..... 5 (GB)
About This Manual ..... 5 (GB)

Preparation

Preparations for Using the Networking Function .. 6 (GB)
System Configuration ..... 6 (GB)
Using the PC Card ..... 7 (GB)
Setting for Networking Function ..... 7 (GB)
Using the Remote Commander or a Mouse and Keyboard ..... 7 (GB)
Setting Up the Projector ..... 8 (GB)
Setting Up from the Projector ..... 8 (GB)
Setting Up from a Computer ..... 12 (GB)
Basic Operation Flowcharts ..... 14 (GB)
Operations from a Computer ..... 14 (GB)
Operations from the Projector ..... 16 (GB)

Operation

Operations from a Computer ..... 19 (GB)
Preparations ..... 19 (GB)
Running a Presentation Using the Slide Viewer ..... 20 (GB)
Projecting an Excel File Using the Worksheet Viewer ..... 23 (GB)
Projecting an Image Using the Image Viewer ..... 23 (GB)
Using File Manager ..... 26 (GB)
Controlling the Projector from a Computer ..... 27 (GB)
Checking the Indicators on the Projector ..... 28 (GB)
Operations from the Projector ..... 29 (GB)
Preparations ..... 29 (GB)
Running a Presentation Using the Slide Viewer ..... 30 (GB)
Projecting an Excel File Using the Worksheet Viewer ..... 31 (GB)
Running a Slide Show Using the Image Viewer ..... 33 (GB)
Connecting to the Internet ..... 35 (GB)

Others

Troubleshooting ..... 36 (GB)

- Microsoft, Windows and PowerPoint are the registered trademarks of Microsoft Corporation in the United States and/or other countries.
- Netscape Navigator is a trademark of Netscape Communications Corporation in the United States and/or other countries.
- All other product and company names mentioned herein are trademarks or registered trademarks of their respective owners.

Features

The projector has built-in Windows CE and is compatible with networking. Connecting to a Local Area Network (LAN) allows you to run a presentation using a file stored in a computer connected by the same LAN. You can open the file from a computer located far away from the projector as well as one in the same conference room. Connecting to the Internet only with the projector is also available.
When you have access to the projector by using the Web browser of a computer, you can control the projector from that computer.

Connection to a LAN

The projector is equipped with the ETHER connector (VPL-PX15 and VPL-FX50) and a PC card slot, which allows you to connect the projector to LAN by using the LAN cables or the specified/recommended LAN PC card. Installing a wireless LAN PC card to the PC card slot enables wireless LAN connection.

PC card slot incorporated

The projector is equipped with a PC card slot. Inserting the PC memory card, in which data are stored, into this slot allows you to run a presentation easily without using a computer.

Presentation Viewer Function

The projector has built-in simple Microsoft PowerPoint and Microsoft Excel viewer funtions, named Slide Viewer and Worksheet Viewer, respectively. The functions allow you to run a slide show using a PowerPoint file or to project an Excel file without any conversion.

Image Viewer Function

The projector has built-in Image Viewer function, allowing you to view images created in the JPEG, BMP, GIF or PNG format, to set up a slide show, and to run a slide show using the images.

File Manager Function

Use of a computer's Web browser enables you to add files stored in the computer to the projector or delete files stored in the projector by operating the computer.

Web browser built-in

The Internet Explorer 4.0 and its equivalent is built into the projector, allowing you to connect to the Internet.

Memory function

The projector can store a file imported from a computer or a memory card.
When you store the file, you can create a password to prevent unauthorized people from opening it.

Precautions

Caution

Before you turn off the projector or reset it by using the supplied Remote Commander, make sure to exit any application software which is running. Otherwise, system damage may occur and you may not be able to restart the projector.

- Recommended system requirements for the projector are as follows:
  – Microsoft Windows 98, Microsoft Windows 98 SE, Microsoft Windows 2000, Microsoft Windows Me
- Make sure to use the specified/recommended LAN PC card, wireless LAN PC card, PC memory card and wireless LAN access point. Also use the specified/recommended wireless LAN PC card to install into the connected computers.
  Using a device not specified/recommended may cause incorrect operations.

  For the specified/recommended devices, see the supplied "Specified/recommended PC Card/Wireless LAN Access Point."

- To prevent data loss, make backup of data frequently. In no event will Sony be liable for any loss of data.
- Please note that the software specifications are subject to change without notice.
- Some of the illustrations in this manual may differ from the actual application software.

About This Manual

This manual explains networking operations of the VPL-PX15, VPL-FX50 and VPL-FE110U/M LCD Data Projector.
On-line Help files are also available. When you access the Web server of the projector, a Help sentence will appear on a computer when you rest the pointer over each item.
In the Windows CE window of the projector you can open the help file by clicking Help from the Start menu. The Windows CE of the projector does not support some functions. The Help file for Slide Viewer, Worksheet Viewer or Image Viewer opens when you click the ? button on the tool bar of the respective application window.

Refer to the Operating Instructions of this model for operations other than networking.

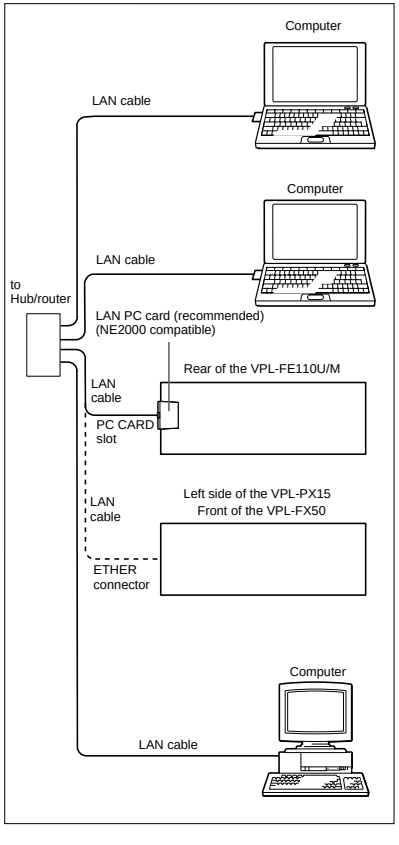
Preparations for Using the Networking Function

This section describes the tasks that are required for using the networking function of the projector.

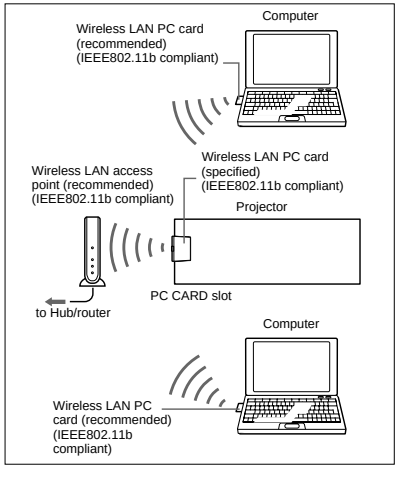
System Configuration

For details on connections, refer to the Operating Instructions of the projector.

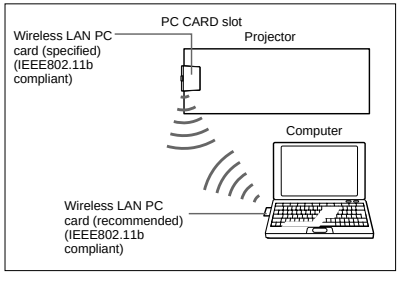
Connecting to LAN using the LAN cables or LAN PC card



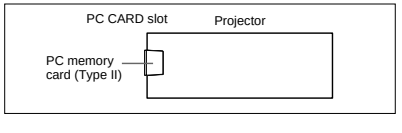
Connecting to wireless LAN using the wireless LAN access point


Computer
Wireless LAN PC card (recommended) (IEEE802.11b compliant)
Wireless LAN PC card (specified) (IEEE802.11b compliant)
Wireless LAN access point (recommended) (IEEE802.11b compliant)
Projector
PC CARD slot
to Hub/router
Computer
Wireless LAN PC card (recommended) (IEEE802.11b compliant)

Connecting to wireless LAN without using the wireless LAN access point (Peer to Peer mode)



Using the memory card



Using the PC Card

The PC CARD slot of INPUT B (VPL-PX15) or INPUT C (VPL-FX50 and VPL-FE110U/M) on the projector accepts one PCMCIA Type II PC card. To connect to a LAN, it is required to insert the specified/recommended LAN PC card (VPL-FE110U/M only) or wireless LAN PC card into this slot.
You can also insert the recommended PC memory card into this slot. Storing the file created with Microsoft PowerPoint or Excel, or the image file in a memory card enables you to project a file or run a presentation without connecting to a computer.

Notes

- Do not turn off the projector or restart Windows CE of the projector while the PC card is writing or reading.
- Make sure to use the specified/recommended LAN PC card, wireless LAN PC card or PC memory card. For the specified/recommended cards, see the supplied "Specified/recommended PC Card/Wireless LAN Access Point."
- The driver software for the specified/recommended PC cards is installed into the projector at the factory. Installing any other driver software is not required and cannot be done.

For inserting and removing the PC card, refer to the Operating Instructions of the projector.

Setting for Networking Function

To activate the networking function of the projector, do the following setup.

■ For VPL-PX15
Set INPUT-B FUNC. in the INSTALL SETTING menu to ON.

For detailed information, see the Operating Instructions of the projector.

■ For VPL-FX50
Set INPUT-C FUNC. in the INSTALL SETTING menu to ON.

For detailed information, see the Operating Instructions of the projector.

■ For VPL-FE110U/M
Set the INPUT C/RS-232C/RS-422A select switch on the rear panel to INPUT C.

Using the Remote Commander or a Mouse and Keyboard

■ For VPL-PX15 and VPL-FX50
When you operate the projector for setting up the projector, running a slide show, etc., use the supplied Remote Commander. Before operation, set the PJ/NETWORK select switch on the Remote Commander to NETWORK.
You cannot connect a mouse and keyboard to the projector.

■ For VPL-FE110U/M
When you operate the projector for setting up the projector, running a presentation, etc., use of the RM-PJM610 remote commander (not supplied) or commercially available PS/2 mouse and keyboard is required.

Note

Connect the mouse and keyboard to the projector before connecting the power cord of the projector to the AC outlet.

For connections of the mouse and keyboard, refer to the Operating Instructions of the projector.

For operation of the RM-PJM610 remote commander (not supplied), refer to the Operating Instructions of the remote commander.

Setting Up the Projector

Basic setups such as IP address and wireless LAN settings are necessary for networking operations of the projector. You can set them up either from the projector or a computer connected to the same LAN.

Before setting up

■ For VPL-PX15 and VPL-FX50

- Turn on the projector with the I/⏻ key on the supplied Remote Commander or control panel of the projector.
- Confirm that INPUT-B FUNC. (VPL-PX15) or INPUT-C FUNC. (VPL-FX50) in the INSTALL SETTING menu is set to ON.
- Press the INPUT key on the supplied Remote Commander or control panel of the projector to select INPUT B (VPL-PX15) or INPUT C (VPL-FX50). The Network Projector window opens.
- Set the PJ/NETWORK select switch on the Remote Commander to NETWORK.
- When you set up from the projector, display the screen keyboard on the projector and operate with the supplied Remote Commander.
  For information on the screen keyboard, see page 29 (GB).
- Turn on the computer from which you set up the projector.

■ For VPL-FE110U/M

- Confirm that the INPUT C/RS-232C/RS-422A select switch is set to INPUT C.
- Turn on the projector with the ON key on the RM-PJM610 remote commander, supplied Remote Commander or control panel of the projector.
- Press the INPUT key on the RM-PJM610 or the INPUT SELECT key on the supplied Remote Commander or control panel of the projector to select INPUT C. The Network Projector window opens.
- When you set up from the projector, display the screen keyboard on the projector and operate with the connected mouse and keyboard, or the RM-PJM610 remote commander.
  For information on the screen keyboard, see page 29 (GB).
- Turn on the computer from which you set up the projector.

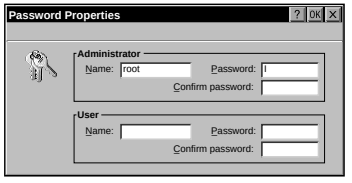
Setting Up from the Projector

Setting the password

You can set a password for protection against access from remote network users.

1 From the Start menu, click Control Panel in the Network Projector window.

2 Double-click the Password icon.
The Password Properties dialog box appears.



3 Specify the Password for Administrator, then enter the same password again in the Confirm password text box for Administrator.
The Name of Administrator is preset as “root” at the factory. It cannot be changed.

4 Specify the Name and Password for User, then enter the same password in the Confirm password text box for User.

When you are required to enter the password for Administrator or User while you are operating the projector from a computer, enter the Name and Password which you set in steps **3** and **4**.

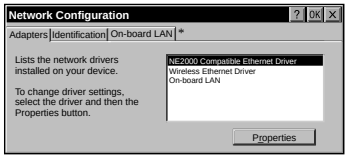
Setting up the network configuration

Setting up the network configuration, such as IP address setting, is necessary for building a LAN connection. The IP address of the projector will be displayed on the task bar of the Network Projector window of the projector.
If the connection environment is changed, you need to set up the network configuration again.

For details, contact your network administrator.

1 From the Start menu, click Control Panel in the Network Projector window.

2 Double-click the Network icon.
The Network Configuration dialog box appears.

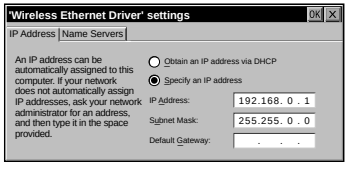


* The On-board LAN tab is displayed for the VPL-PX15 and VPL-FX50.

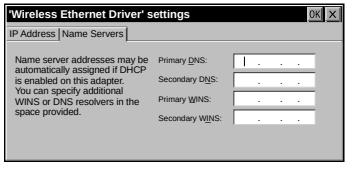
3 Select the driver name according to the network connection type.
You can select one of the following driver names.
NE2000 Compatible Ethernet Driver: When using the recommended NE2000 compatible PC LAN card.
Wireless Ethernet Driver: When using the specified wireless LAN PC card.
On-board LAN: When using the ETHER connector to connect to LAN (displayed for the VPL-PX15 and VPL-FX50)

The selected driver’s setting dialog box appears.

4 Confirm that the “Specify an IP address” radio button is selected, and set the necessary items.
The IP Address is initially set to “192.168.0.1,” and the Subnet Mask is set to “255.255.0.0” at the factory.

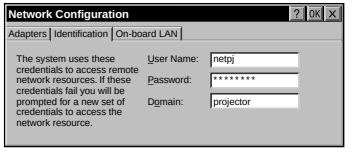

'Wireless Ethernet Driver' settings
IP Address
Name Servers
An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space provided.
Obtain an IP address via DHCP
Specify an IP address
IP Address: 192.168. 0 . 1
Subnet Mask: 255.255. 0 . 0
Default Gateway:

5 Click the Name Servers tab to display the Name Servers dialog box, then set the necessary items.


'Wireless Ethernet Driver' settings
IP Address
Name Servers
Name server addresses may be automatically assigned if DHCP is enabled on this adapter. You can specify additional WINS or DNS resolvers in the space provided.
Primary DNS:
Secondary DNS:
Primary WINS:
Secondary WINS:

6 Click the OK button.
The Network Configuration dialog box reappears.

7 According to your requirements, click the Identification tab and set the necessary items.


Network Configuration
Adapters
Identification
On-board LAN
The system uses these credentials to access remote network resources. If these credentials fail you will be prompted for a new set of credentials to access the network resource.
User Name: netpj
Password: ********
Domain: projector

8 Click the OK button.

When you use a wireless LAN PC card with the VPL-PX15 or the VPL-FX50

If you select Wireless Ethernet Driver in step **3**, follow the steps below after performing step **6**.

1 Click the On-board LAN tab.

2 Remove the check from the “Enable On-board LAN” checkbox.

3 Click the OK button.
The window in step **2** reappears.

Note

Once the On-board LAN was deactivated, it is not shown in the driver names of the Network Configuration dialog box. If you want to select On-board LAN, check the Enable On-board LAN checkbox, then repeat from step **2** in “Setting up the network configuration.”

Setting up a wireless LAN environment

When you are using a wireless LAN PC card, it is also necessary to set up the projector following the steps below.

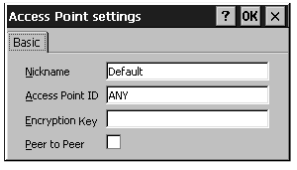
Using a wireless LAN access point

Set up the access point you are connecting to as follows.

1 From the Start menu, click Control Panel in the Network Projector window.

2 Double-click the Wireless LAN icon.
The Wireless LAN settings dialog box appears.

3 Click the Edit button.
The Access Point settings dialog box appears.



4 Enter a Nickname.
The Nickname identifies the access point. Enter up to 32 characters for the Nickname using alphanumeric characters and symbols (ASCII characters). If multiple access points exist, make sure to assign a different name to each one.

5 Enter the Access Point ID.
Type the ID specified for the access point you are connecting to.

6 Enter the Encryption Key.
Type the encryption key, if it is set and is active on the access point.

7 Click the OK button.
The Wireless LAN settings dialog box reappears.

8 Click the radio button of the Nickname you want to use, and click the OK button.
Connection is made to the selected access point.

To connect to an access point which is already configured

If multiple access points exist, you can assign up to four Nicknames for them. If you want to connect to an access point which is already configured, select a radio button next to the relevant Nickname then click the OK button in the Wireless LAN settings window. Connection is made to the selected access point.

Note

When the manufacturer of the wireless LAN card inserted into the projector and that of the wireless LAN access point are not the same, how to enter the encryption key may differ. If the encryption key appears in hexadecimal values, enter the hexadecimal values for Encryption Key.

When no communication is taking place between the access point and the projector

If the channel for the access point is set to 12–14, set it to any channel between 1 and 11.

Notes

- Contact qualified Sony personnel if any trouble occurs when you are using the specified/ recommended Sony wireless LAN PC card.
- If the manufacturer of the wireless LAN card and that of the wireless LAN access point are not the same, communication by enabled encryption does not take place correctly.

Peer to Peer (Ad-hoc) mode

To connect to a wireless LAN between the projector and computers without using the wireless LAN access point, follow the steps below on the projector only.

1 Follow steps **1** to **4** in “Using the wireless LAN access point.” In the Access Point settings dialog box, set the Nickname of this mode.

2 Click the checkbox next to Peer to Peer.

3 Enter an optional Access Point ID.
You can type up to 32 alphanumeric characters for the ID.

4 Enter the Encryption Key if you want to make it active.

5 Click the OK button.
The Wireless LAN settings dialog box reappears.

6 Click the radio button of the Nickname you entered in step **1**.
The Peer to Peer mode takes effect.

For the computers connected it is required to enter the same Access Point ID and Encryption Key as those entered in the procedure above and an optional Nickname. For details, refer to the Operating Instructions of the wireless LAN PC card inserted into the computers.

Notes

- Use wireless LAN PC cards of the same manufacturer both for the projector and the computer.
- If Peer to Peer (Ad-hoc) is configured on one of the connected computers, perform step **1**, then steps **3** to **6** above to enter the same Access Point ID and Encryption Key as those of the computer and an optional Nickname on the projector.
- Select Peer to Peer (Ad-hoc) only for one of the projector and computers on the same LAN.
- When you use Peer to Peer (Ad-hoc) mode, you need to set a dedicated IP address and Subnet Mask for this mode on the projector and the computer.

Checking connection with the access point

You can check if the projector is correctly connected to the access point.

1 Double-click the (reception level indicator) icon on the task bar of the Network Projector window. The window that indicates the connection status between the projector and the access point appears.

2 Check the following.
- Status: Shows OK if the projector has a correct recognition of the wireless LAN PC card.
- Access Point ID
- Connection: Connection status with the access point
- Access Point: Information about the connected access point
- Channel: Assigned channel
- Encryption Key: Encryption enabled or disabled on the connected access point
- Signal Strength: Signal level for communication between the projector and the access point

When Access Point ID shows “searching”

Verify if the Nickname, Access Point ID and Encryption Key are correct. Selecting Edit wireless Profiles... from the Tools menu opens the Wireless LAN settings window. If any of the items is not correct, correct it following steps **3** through **8** on page 10 (GB).

Setting the date and clock

The clock is displayed on the task bar of the Network Projector window. To set the date and time, follow the steps below.

1 From the Start menu of the Network Projector window, click Control Panel.

2 Double-click the Date/Time icon.

3 Set the date and time.

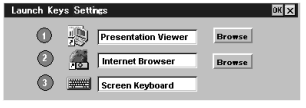
Assigning an application software to the FUNCTION key on the Remote Commander (for VPL-PX15 and VPL-FX50)

If you assigned an application to the FUNCTION 1 or 2 key on the supplied Remote Commander, a touch of the key enables you to start that application. The screen keyboard is assigned to the FUNCTION 3 key at the factory, and you cannot reassign or cancel that assignment.

For detailed information about the screen keyboard, see page 29 (GB).

1 From the Start menu of the Network Projector window, click Control Panel.

2 Double-click the Launch Keys icon.
The Launch Keys Settings dialog box appears.



3 Click Browse for the key (1 or 2) to which you want to assign an application software, then click the application you want from the application list.

4 Repeat step **3** if you want to assign an application to the other key.

5 Click the OK button.

Setting Up from a Computer

Notes

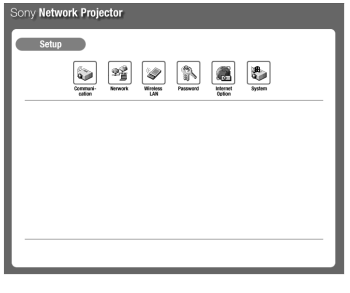
- Connect a single computer you are using for setups to the projector if the IP address of the projector is not changed from the factory-preset one.
- If the browser of your computer is set to "Access the Internet using a proxy server," enter the IP address of the projector in the box "Access the Internet without using a proxy server" when you have access to the projector from your computer.
- The computer may not accept the password for the projector, depending on the version of the browser. In this case, restart the browser.

Opening the setup window

1 Start the computer's browser software (Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version).

2 Type "http://xxx.xxx.xxx.xxx (for the IP address of the projector)/setup".
If the IP address is not changed from the factory-preset one, type "http://192.168.0.1/setup" (when using a LAN PC card) or "http://192.168.0.2/setup" (when using the ETHER connector).
If the number of the IP address starts from 0 (zero), enter the number without 0.
Example: 192.168.000.001 → 192.168.0.1
The Password dialog box appears.

3 Enter the Name and Password for Administrator.
If the Password setting is not changed from the factory-preset one, enter "root" in the Name text box.
The Setup window appears.



Setting the password

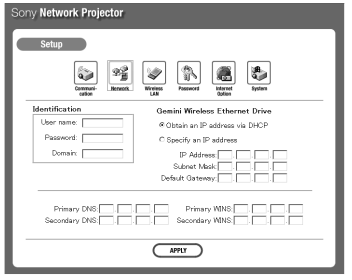
1 Click the Password icon in the Setup window.
The password setting dialog box appears.
Setup procedure is the same as that operated by the projector.

For details, see "Setting the password" on page 8 (GB).

2 Click the APPLY button.

Setting up the network configuration

1 Click the Network icon in the Setup window.
The Network configuration window appears.



In this window you can set the items described in steps **4** to **7** in "Setting up the network configuration" on page 9 (GB).

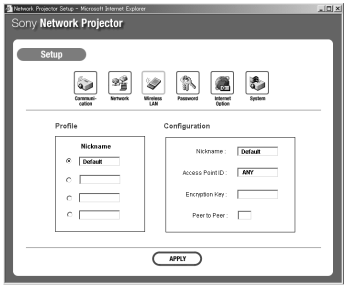
For details, see "Setting up the network configuration" on page 9 (GB).

2 Click the APPLY button.
The window for restart appears.

3 Click the RESTART button.
If the projector is turned on and the Network Projector window is open, the projector's screen is turned off for about 10 seconds, then the projector restarts.
The network setting does not take effect until you restart the projector.

Setting up the wireless LAN environment

1 Click the Wireless LAN icon in the Setup window.
The dialog box for setting the Nickname, Access Point ID, Encryption Key and Peer to Peer appears.
Setup procedure is the same as that operated by the projector.



For details, see "Setting up a wireless LAN environment–Using a wireless LAN access point/Peer to Peer (Ad-hoc) mode" on pages 10 (GB) and 11 (GB).

2 Click the APPLY button.

Basic Operation Flowcharts

This section describes the operation flowchart for using the projector via a network or for using the built-in network function of the projector. There are two types of flowcharts; for operations from a computer and for those from the projector. For details, see the pages in parenthesis.

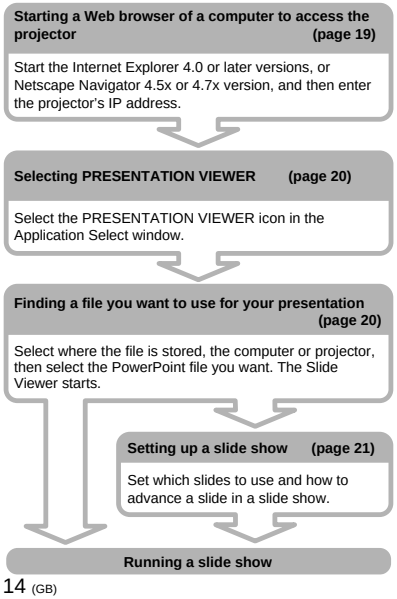
Required conditions

- The projector and computer are connected to the same LAN.
- The projector and computer are turned on.
- The INPUT-B FUNC. (VPL-PX15) or INPUT-C FUNC. (VPL-FX50) is set to ON in the INSTALL SETTING menu.
- The INPUT C/RS-232C/RS-422A select switch is set to INPUT C. (VPL-FE110U/M)
- The input of the projector is set to INPUT B (VPL-PX15) or INPUT C (VPL-FX50 and VPL-FE110U/M).

Operations from a Computer

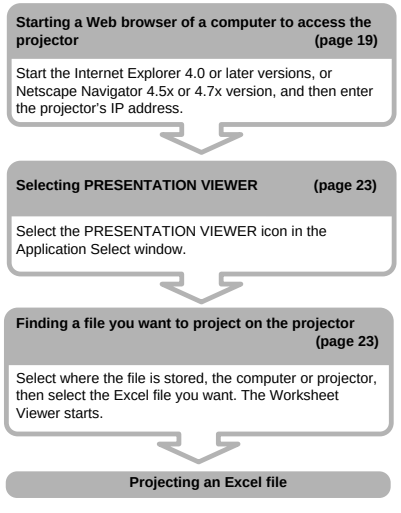
Running a presentation using a file created with PowerPoint

You can control a presentation using a file created with PowerPoint from a computer.


Starting a Web browser of a computer to access the projector (page 19)
Start the Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version, and then enter the projector's IP address.
Selecting PRESENTATION VIEWER (page 20)
Select the PRESENTATION VIEWER icon in the Application Select window.
Finding a file you want to use for your presentation (page 20)
Select where the file is stored, the computer or projector, then select the PowerPoint file you want. The Slide Viewer starts.
Setting up a slide show (page 21)
Set which slides to use and how to advance a slide in a slide show.
Running a slide show

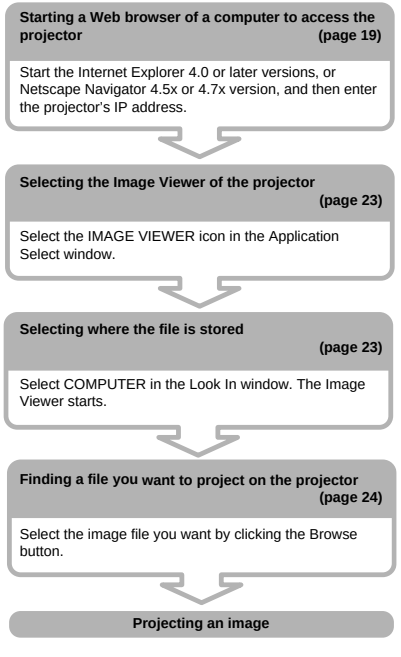
Projecting an Excel file onto the projector

You can display an Excel file on the projector by operating from a computer.


Starting a Web browser of a computer to access the projector (page 19)
Start the Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version, and then enter the projector's IP address.
Selecting PRESENTATION VIEWER (page 23)
Select the PRESENTATION VIEWER icon in the Application Select window.
Finding a file you want to project on the projector (page 23)
Select where the file is stored, the computer or projector, then select the Excel file you want. The Worksheet Viewer starts.
Projecting an Excel file

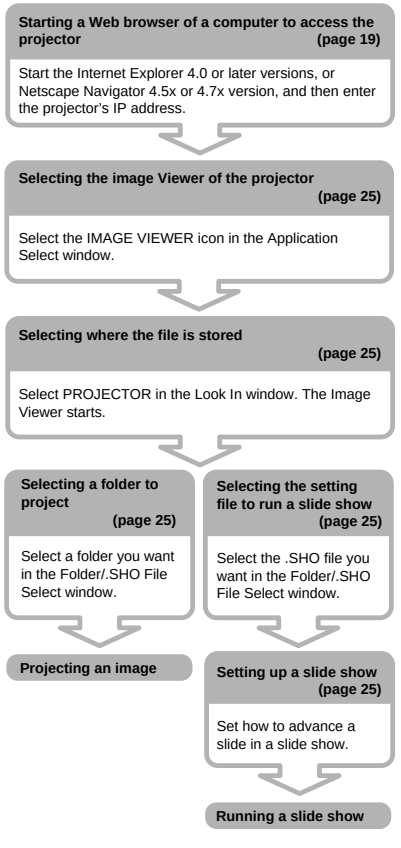
Projecting an image onto the projector using a file stored in a computer

You can project an image onto the projector by operating from a computer.


Starting a Web browser of a computer to access the projector (page 19)
Start the Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version, and then enter the projector's IP address.
Selecting the Image Viewer of the projector (page 23)
Select the IMAGE VIEWER icon in the Application Select window.
Selecting where the file is stored (page 23)
Select COMPUTER in the Look In window. The Image Viewer starts.
Finding a file you want to project on the projector (page 24)
Select the image file you want by clicking the Browse button.
Projecting an image

Projecting an image or running a slide show onto the projector using a file stored in the projector

By using an image file stored in the projector or in the PC memory card you can project it on the projector by operating a computer. You can also run a slide show using the slide show setting file preset on the projector.


Starting a Web browser of a computer to access the projector (page 19)
Start the Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version, and then enter the projector's IP address.
Selecting the image Viewer of the projector (page 25)
Select the IMAGE VIEWER icon in the Application Select window.
Selecting where the file is stored (page 25)
Select PROJECTOR in the Look In window. The Image Viewer starts.
Selecting a folder to project (page 25)
Select a folder you want in the Folder/.SHO File Select window.
Selecting the setting file to run a slide show (page 25)
Select the .SHO file you want in the Folder/.SHO File Select window.
Projecting an image
Setting up a slide show (page 25)
Set how to advance a slide in a slide show.
Running a slide show

Basic Operation Flowcharts

Managing files with File Manager

You can add files stored in a computer to the projector's storage or delete files stored in the projector.

Starting a Web browser of a computer to access the projector (page 19)

Start the Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version, and then enter the projector's IP address.

Starting File Manager (page 26)

Select the FILE MANAGER icon in the Application Select window.

Adding files (page 26)

Select a file in a computer you want to add to the projector's storage.

Deleting files (page 26)

Select a file in the projector you want to delete.

Running an addition

Running a deletion

Controlling the projector

You can perform various adjustments and settings of the projector from a computer.

Starting a Web browser of a computer to access the projector (page 19)

Start the Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version, and then enter the projector's IP address.

Displaying the control window (page 27)

Click the MORE... button.

Adjusting or setting the projector

Operations from the Projector

Running a presentation using a file stored in the computer

Immediately after you open a file created with PowerPoint stored in a computer, you can start a presentation by operating the projector.

Starting My Projector (page 31)

Double-click the My Projector icon.

Selecting a file you want to use for your presentation (page 31)

Enter the name of a computer that stores the file to use, and select the PowerPoint file. Slide Viewer starts and the selected file appears in slide view.

Setting up a slide show (page 31)

Set which slides to use and how to advance a slide in a slide show.

Running a slide show

Running a presentation using a file stored in the projector or memory card

By using a PowerPoint file stored in the projector or in the PC memory card, you can run a presentation by operating the projector only.

Starting the Presentation Viewer (page 31)

Double-click the Presentation Viewer icon.

Selecting a file you want to use for your presentation (page 31)

Select the PowerPoint file you want in the Open File dialog box. The Slide Viewer starts, and the selected file appears in slide view.

Setting up a slide show (page 31)

Set which slides to use and how to advance a slide in a slide show.

Running a slide show

Projecting an Excel file stored in a computer

You can project an Excel file stored in a computer on the same LAN by operating the projector.

Starting My Projector (page 32)

Double-click the My Projector icon.

Selecting a file you want to project (page 32)

Enter the name of a computer that stores the file to use, and select an Excel file. Worksheet Viewer starts, and the selected file is displayed on the projector.

Projecting an Excel file stored in the projector or memory card

You can project an Excel file stored in the projector or memory card onto the projector.

Starting the Presentation Viewer (page 32)

Double-click the Presentation Viewer icon.

Selecting a file you want to project (page 32)

Select the Excel file in the Open File dialog box. The Worksheet Viewer starts, and the selected file is projected on the projector.

Basic Operation Flowcharts

Running a slide show using an image file stored in the projector or memory card

You can run a slide show using an image file stored in the projector or memory card by operating the projector only.

Starting the Image Viewer (page 33)
Double-click the Image Viewer icon.

↓

Selecting the files you want to use for your slide show (page 33)
Click the folder which contains the files you want. All the slides contained in the folder are displayed in thumbnail windows.

↓

Selecting the slides you want to use for a slide show (page 34)
Select the slides you want to use. If you want to select all the slides displayed in thumbnail windows, click Select all from the Slide Show menu.

↓

Setting up an image (page 34)
Zooming or rotating a slide.

↓

Running a slide show
Select how to advance a slide. A slide show starts.

Connecting to the Internet

Starting the Internet Browser (page 35)
Double-click the Internet Browser icon.

Operations from a Computer

Preparations

Before starting

■ **For VPL-PX15**
Confirm that the INPUT-B FUNC. is set to ON in the INSTALL SETTING menu.

■ **For VPL-FX50**
Confirm that the INPUT-C FUNC. is set to ON in the INSTALL SETTING menu.

■ **For VPL-FE110U/M**
Confirm that the INPUT C/RS-232C/RS-422A select switch is set to INPUT C.

Starting the browser to have access to the projector

In order to control the projector from a computer, you have to access the projector by starting the browser on the computer. Suitable browsers are Internet Explorer 4.0 or later versions, and Netscape Navigator 4.5x or 4.7x version.

1 Turn on the projector.

2 Set the input to the projector to INPUT B (VPL-PX15) or INPUT C (VPL-FX50 and VPL-FE110U/M)

3 Switch on the computer.

4 Start the browser on the computer.

5 Enter the IP address of the projector.
Type “http://xxx.xxx.xxx.xxx (for the IP address of the projector).”
You can verify the IP address as it is displayed on the task bar in the Network Projector window.
The Application Select window appears.

When the password is set for the projector, the password setting dialog box appears. Enter the Name and Password for User.

For information on the Application Select window, see “Names and functions of the Application Select window.”

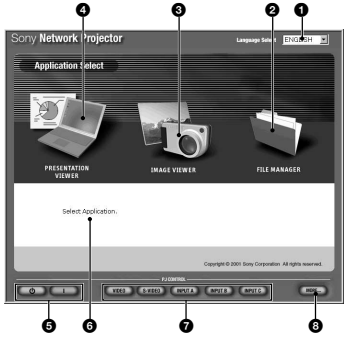
Operations that follow the above steps are shown on pages 20 (GB) to 28 (GB).

Notes

- Do not have access to the projector from two or more computers simultaneously.
- If the browser of your computer is set to “Access the Internet using a proxy server,” enter the IP address of the projector in the box “Access the Internet without using a proxy server” when you have access to the projector from your computer.
- The computer may not accept the password for the projector, depending on the version of the browser. In this case, restart the browser.
- If the browser on a computer exits without closing the application, the projector automatically returns to the initial Network Projector window after about 30 seconds. In this case, restart the browser.

Names and functions of the Application Select window

Having access to the projector opens the Application Select window. The following shows the names and functions of the icons and buttons in the window.



❶ Language select button
Clicking ▼ opens the language select drop-down list. Each window has help sentences shown on the lower part of the window. You can display them in English, French, German, Spanish, Italian or Japanese.

❷ FILE MANAGER icon
Starts the File Manager to manage the files stored in the projector.

❸ IMAGE VIEWER icon
Opens the setup window for projecting image files.

(continued)

❹ PRESENTATION VIEWER icon
Opens the select window for starting the PowerPoint viewer (Slide Viewer) or Excel viewer (Worksheet Viewer).

❺ I/⏻ (on/standby) button
Turns the projector on or sets it to standby mode.

❻ Help
Resting the pointer over each item displays the instructions for the item. This makes your operations easier in each window.

❼ Input select buttons
Select the input to the projector.
The INPUT C button does not exist in the window for the VPL-PX15.

❽ MORE... button
Opens the control window for the projector.

Running a Presentation Using the Slide Viewer

When you intend to run a presentation with PowerPoint in a conference room, you can control the presentation by operating your computer in the same room or in the location far away from the projector.

What you can do with the Slide Viewer

You can
- run a slide show using the file created with PowerPoint.
- show a custom slide show if created.
- show a speaker's note or hide it.
- show a slide or hide it.
- set timings to advance a slide during a slide show. You can select an automatic or manual slide show.

Notes
- It may take time to display the file depending on your network configuration.
- As the Slide Viewer is a basic PowerPoint viewer function, it does not support some features of PowerPoint. We recommend you should project the file you are using for your presentation on the projector before starting the presentation.
- The following fonts are available for the Presentation Viewer; Arial, Bookman Old Style, Comic Sans MS, Impact, Symbol, Tahoma, Times New Roman and Wingdings.

Running a presentation

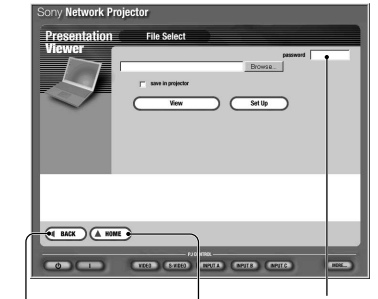
1 Click the PRESENTATION VIEWER icon in the Application Select window.
The Look In window appears.

2 Click to select where to search for the file you want to use for your presentation.
COMPUTER: To select a file stored in a computer
PROJECTOR: To select a file stored in the projector

The File Select window appears.

3 Select the file you want to use for your presentation.

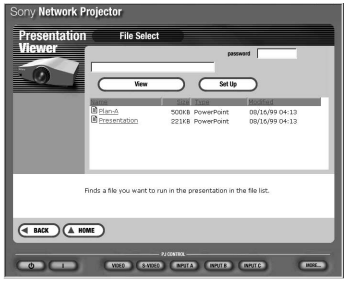
When you select COMPUTER in step 2
Clicking Browse opens the file select window on a computer. Click the PowerPoint file (.ppt or .pps file) you want. You can also select the file by entering the file name in the Browse text box. The selected file name is displayed in the Browse text box.



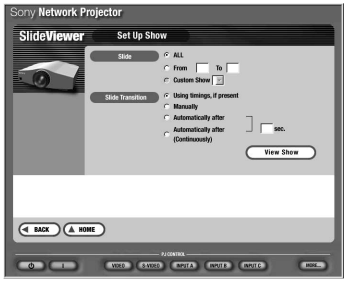
To store the selected file into the projector
Click to check the "save in projector" checkbox. You can set the password for the file, if necessary. Specify the password in the "password" text box. This disables the file to open from now on unless you enter the password.
The file will be stored when you click the Set Up or View button.

Note
When you delete a file using File Manager, entering the password is not required even if the password is set for the file.

When you select PROJECTOR in step 2
The file list showing the files stored in the projector or a memory card (VPL-PX15 and VPL-FX50) appears. Click the PowerPoint file you want. The selected file name is displayed in the text box.



4 Set up your slide show, if necessary. Click the Set Up button in the File Select window.
The Set Up Show window appears. You can specify slides you want to use for your slide show and set how to advance a slide in the slide show. Resting the mouse pointer over each item shows its instruction on the lower part of the window.



Note
If you are running a presentation using the file stored in a computer, the file is transferred to the projector at the time you click the Set Up button. It will take a little time to display the Set Up Show window on the computer. How long it takes depends on the file size. During this time a message will appear.

5 Click the View button in the File Select window or click the View Show button in the Set Up Show window.
The slide show starts.

Note
If you are running a presentation using the file stored in a computer, the file is transferred to the projector at the time you click the View button. It will take a little time to display a slide show on the projector screen. How long it takes depends on the file size. During this time a message will appear.

To end the slide show
Click the End Show button. (See page 22 (GB).)
The File Select window returns.

(continued)

Note

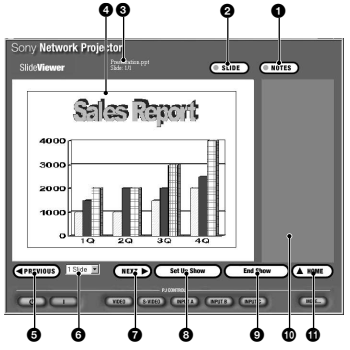
If the message “Projector’s memory is full” appears when clicking the View or Set Up button, delete unnecessary files stored in the projector using the File Manager (page 26 (GB)), then try to run the slide show again. If the message “File size is too large.” appears, reduce the file size, then try to run the slide show again.

Tips :

You may make it smaller by clicking Option, then Save from the Tools menu, and unchecking Save Fast in the PowerPoint application.

About the window displayed while the presentation is running

The following window is displayed during a presentation.



❶ NOTES button
Selects to display/remove a speaker’s note.

❷ SLIDE button
Selects to display/remove a slide show on/from a computer’s display.

❸ File name/slide number
Shows the name of a file and which slide is displayed.

❹ Slide
Shows the currently displayed slide in the slide show. The projector’s screen displays only this slide.

❺ PREVIOUS button
Returns to the previous slide or Animation setting during the slide show.

❻ Slide text box
Clicking ▼ opens the slide name drop-down list. When you select a specific slide from the list, it will be shown.

❼ NEXT button
Advances to the next slide or Animation setting immediately.

❽ Set Up Show button
Returns to the Set Up Show window.

❾ End Show button
Ends or suspends the slide show to return to the File Select window.

❿ Note
Displays a speaker’s note. It is not displayed on the projector screen.

⓫ HOME button
Returns to the Application Select window.

Projecting an Excel File Using the Worksheet Viewer

You can project an Excel file on the projector by operating a computer.

What you can do with the Worksheet Viewer

You can
- display Excel worksheets to fill the projector screen.
- change the area of a worksheet in view on the projector screen.
- zoom in or out the projected worksheet.

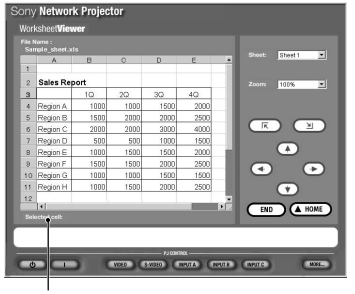
Note

As the Worksheet Viewer is a simple Excel viewer function, it does not support some Excel features such as a split feature.

Projecting an Excel file

1 Follow steps **1** to **3** in “Running a Presentation Using the Slide Viewer — Running a presentation” on page 20 (GB). Make sure to select an Excel file (.xls file) in step **3**.

2 Click the View button.
The Worksheet Viewer starts.
A worksheet of the selected file is displayed on the projector.



You can zoom in or out the worksheet projected on the screen, and change the area of the worksheet in view on the projector by using the buttons on the right window. When you rest the mouse pointer over each button or item, its instructions will appear on the bottom of the window.

Notes

- The range of the displayed area of a worksheet on a computer and that of the projected area on the projector is not the same.
- When you click a cell on a computer, the cell becomes active if the selected cell is within the area displayed on the projector. If the selected cell is outside the displayed area, the area with the selected cell is centered on the projector’s display.

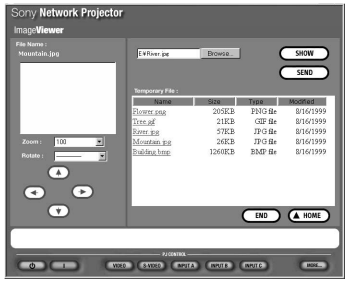
Projecting an Image Using the Image Viewer

You can project an image file stored in any computer on the same LAN or stored in the projector’s storage or in the memory card installed in the projector. You can also run a slide show using the slide show setting file (.SHO file) preset in the projector.

Projecting an image stored in a computer on the projector

1 Click the IMAGE VIEWER icon in the Application Select window.
The Look In window appears.

2 Click COMPUTER.
The Image Viewer of the projector starts, and the Image Viewer window opens.



Resting the mouse pointer over each item shows its instruction on the lower part of the window.

(continued)

3 Select an image file to display.
Click Browse to open the file select window on a computer. Double-click the file you want.
The selected file name is displayed in the Browse text box.

4 Click the SHOW button.
A full-screen image of the selected file is displayed on the projector.

Note

When projecting a large size image file such as those in UXGA format, it cannot be opened due to lack of memory. In this case, reduce the image to obtain a smaller file size.

To save time taken for transferring data

When clicking the SHOW button, the file is transferred to the projector. It will take a little time to display an image on the projector's screen. To display the image immediately, transfer all the files you want to use to the projector before starting your presentation.

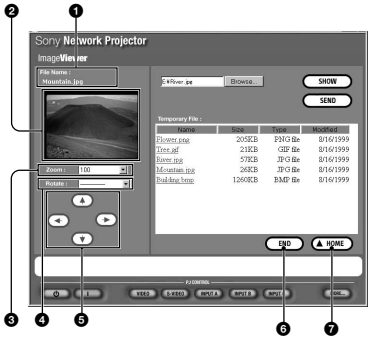
1 After step **3** in "Projecting an image stored in a computer on the projector," click the SEND button.
The selected file name appears in the Temporary File list and the file is transferred to the projector.
Repeat this step until all the files you want are shown in the Temporary File dialog box.

2 Double-click the file name listed in the Temporary File dialog box.
A full-screen image of the selected file is displayed on the projector.

Note

If the memory of the Temporary File list is full, the data transferred earlier will be erased.

About the window displayed while the Image Viewer is running



❶ File name
Shows the file name of the currently displayed image.

❷ Slide
Shows the currently displayed image on the projector's screen.

❸ Zoom text box
Clicking ▼ opens the drop-down list to select the ratio of enlargement or reduction for the image.

❹ Rotate text box
Clicking ▼ opens the drop-down list to select the angle of rotation for the image.

Note

When projecting a large size image file such as those in UXGA format, it cannot be rotated due to lack of momory. In this case, reduce the image to obtain a smaller file size.

❺ Scroll buttons
Clicking the arrows changes the display area of the image on the screen, if the enlarged image does not fit the screen.

❻ END button
Ends or suspends the full-screen display to return to the File Select window.

❼ HOME button
Returns to the Application Select window.

Note

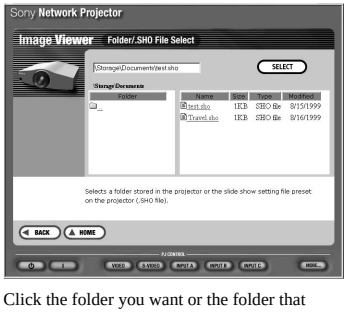
When you exit the Image Viewer window by clicking the END or HOME button, the files listed in the Temporary File will be automatically erased. To store the files, add them to the projector using the File Manager function.

For details, see "Using File Manager" on page 26 (GB).

Running a presentation using an image file stored in the projector

1 Click the IMAGE VIEWER icon in the Application Select window.
The Look In window appears.

2 Click PROJECTOR.
The Image Viewer of the projector starts, and the Folder/.SHO File Select window opens.



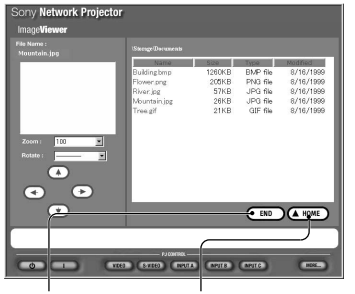
3 Click the folder you want or the folder that contains the slide show setting file (.SHO file) in the Folder list on the left of the window.
The contents of the selected folder are listed on the right.

For details on .SHO files, see "Saving the slide show setting" on page 34 (GB).

4 Select a folder or .SHO file you want to use, then click the SELECT button.
The Image Viewer window appears.

5 Select an image file you want to project on the projector.

When you select a folder in step 4
Image files contained in the selected folder are listed on the right.

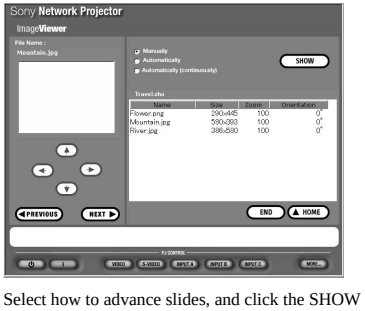


END button
Ends or suspends the display to return to the File Select window.

HOME button
Returns to the Application Select window.

Click the file you want.
A full-screen image of the selected file is projected on the projector.
Resting the mouse pointer over each item on the left of the window shows its instructions on the lower part.

When you select an .SHO file in step 4
The selected .SHO file appears on the right.



Select how to advance slides, and click the SHOW button. The slide show starts.
Resting the mouse pointer over each item on the window shows its instructions on the lower part.

About the window displayed while the Image Viewer is running

The same window as that in "About the window displayed while the Image Viewer is running" on page 24 appears.
The NEXT button on the .SHO file select window is to advance to the next slide immediately during the slide show. The PREVIOUS button is to go back to the previous slide.

Using File Manager

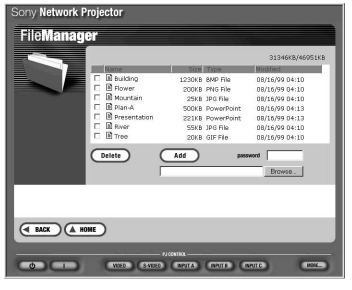
You can manage the files stored in the projector from a computer by a simple operation. The File Manager function enables you to delete unnecessary files stored in the projector or to add files stored in a computer to the projector's storage.
Use File Manager while checking the currently used memory and largest unused memory of the projector displayed in the File Manager window.

Adding files to the projector using File Manager

1 Click the FILE MANAGER icon in the Application Select window.
The File Manager window appears.

2 Search for the file stored in a computer you want to add to the projector.
Click the Browse... button in the Add File section to open the file select window on the computer. Select the file you want. You can also select the file by entering the file name in the Browse... text box.

You can set the password for the selected file in this step. Specify the password in the "password" text box. Setting the password disables you to open the file from now on unless you enter the password.



3 Click the Add button.
The selected file is stored in the projector.

Deleting files from the projector using File Manager

1 Click the FILE MANAGER icon in the Application Select window.
The File Manager window appears and the list of files stored in the projector pops up.

2 Select the file you want to delete.
You can check all the files you want to delete.

3 Click the Delete button.
All the files you have checked are removed from the file list.

Note

You can delete a file even if the password is set for the file.

Controlling the Projector from a Computer

You can perform various adjustments and settings of the projector on a computer's display. Three control windows are available; GENERAL, PICTURE CTRL and SETTINGS windows, each with different functions.
The functions of the buttons in the windows are the same as those on the Remote Commander supplied with the projector.

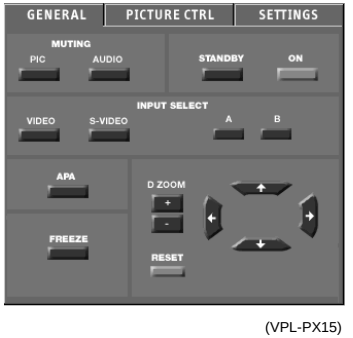
For details on the buttons, see the Operating Instructions of the projector.

The illustrations shown in the steps below are for the VPL-PX15.

1 Click the MORE... button in the PJ CONTROL section.
The GENERAL window appears.

2 Click the function tab to select the window you want.

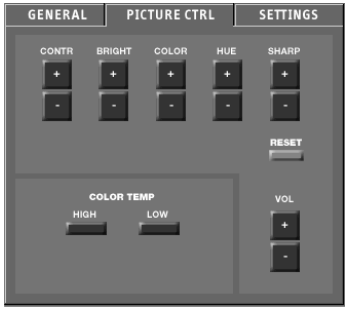
GENERAL window



(VPL-PX15)

■ **For VPL-FE110U/M**
Specify the switcher number with the SWITCHER button. Use the GROUP button to specify the group index numbers and the INDEX button to specify the device index numbers. Click ▼ to open the drop-down list, then select the number.

PICTURE CTRL window



(VPL-PX15)

■ **For VPL-PX15**
The COLOR TEMP (HIGH, LOW) buttons function the same as the settings in the menu.

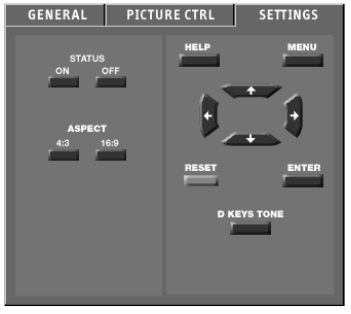
■ **For VPL-FX50**
The DDE (OFF, PROGRESSIVE, FILM) and RGB ENHANCER +/– buttons function the same as the settings in the menus.

For details, see the Operating Instructions of the projector.

(continued)

Operations from a Computer

SETTINGS window



(VPL-PX15)

■ **For VPL-PX15**
The ASPECT (4:3, 16:9) and STATUS (ON, OFF) buttons function the same as the settings in the menu.

■ **For VPL-FX50**
The ASPECT (4:3, 16:9) and LAMP MODE (STANDARD, LOW) buttons function the same as the settings in the menus.

For details, see the Operating Instructions of the projector.

3 Click the button to adjust or set.

Checking the Indicators on the Projector

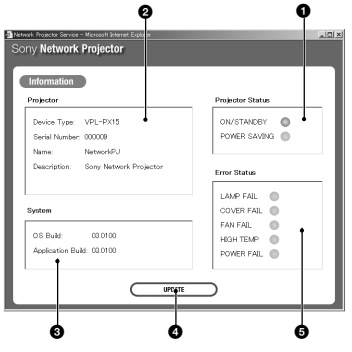
You can check the present status of the indicators on the control panel of the projector on a computer display.

1 Start Internet Explorer 4.0 or later versions, or Netscape Navigator 4.5x or 4.7x version on the computer.

2 Type “http://xxx.xxx.xxx.xxx (for the IP address of the projector)/info” as a URL.
If you do not change the factory-set IP address, type “http://192.168.0.1/info” (when using a LAN PC card) or “http://192.168.0.2/info” (when using the ETHER connector).
If the password is set, the password setting dialog box appears.

3 Enter the name and password of the Administrator. The Information window appears.

The illustration below is for the VPL-PX15.



❶ Projector Status
Shows the present status of the projector.

❷ Projector
Shows the information on the projector.

❸ System
Shows the versions of the Windows CE and application currently used.

❹ UPDATE button
Click to update the latest information.

❺ Error Status
Shows the present status of the indicators on the control panel of the projector.

For information on the indicators, see the Operating Instructions.

Operations from the Projector

Preparations

Before starting

■ **For VPL-PX15 and VPL-FX50**
- Confirm that INPUT-B FUNC. (VPL-PX15) or INPUT-C FUNC. (VPL-FX50) in the INSTALL SETTING menu is set to ON.
- Switch the PJ/NETWORK select switch to NETWORK.

■ **For VPL-FE110U/M**
- Confirm that the INPUT C/RS-232C/RS-422A select switch on the rear of the projector is set to INPUT C.
- To operate the projector, use the RM-PJM610 remote commander or mouse and keyboard (not supplied). Connect the mouse and keyboard to the projector before connecting the power cord of the projector to the AC outlet.

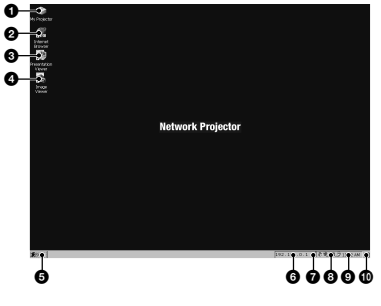
Opening the Network Projector window

To perform networking operations without connecting to a computer, display the Network Projector window on the projector.

1 Turn on the projector.

2 Set the input to the projector to INPUT B (VPL-PX15) or INPUT C (VPL-FX50 and VPL-FE110U/M).
The Network Projector window appears.

Names and functions of the Network Projector window



❶ My Projector icon
Browses the folders in the projector.
Double-clicking the icon shows the Memory card icon, etc.

❷ Internet Browser icon
Double-clicking the icon connects to the Internet.

❸ Presentation Viewer icon
Select when you want to run a presentation using the file created with PowerPoint or you want to project an Excel file on the projector.

❹ Image Viewer icon
Double-clicking the icon starts Image Viewer for running a slide show using image files stored in the projector or memory card.

❺ Start menu

❻ IP address
Shows the IP address of the projector. You can verify it when you are accessing the projector from a computer.

❼ Reception level indicator icon
When the projector correctly recognizes the wireless LAN PC card you insert into the PC CARD slot, the icon appears on the task bar. Double-clicking the icon opens the window indicating the connection status between the projector and the access point.

❽ Screen keyboard icon
Clicking the icon displays the screen keyboard on the projector screen. You can operate the projector for setups or enter a URL by using the supplied Remote Commander (for the VPL-PX15 and VPL-FX50) or the RM-PJM610 remote commander (not supplied, for the VPL-FE110U/M). The screen keyboard has two pages. Clicking the Shift key changes the page.

(continued)

■ **For VPL-PX15 and VPL-FX50**

- When the PJ/NETWORK select switch on the supplied Remote Commander is set to NETWORK, the TAB, ESCAPE, ENTER and arrow keys on the Commander function the same as those on the keyboard.
- Pressing the R CLICK key on the supplied Remote Commander on the screen keyboard icon opens the sub menu. Clicking Remote, then On enables you to use the arrow keys on the Remote Commander as those on the screen keyboard and to select the keys.

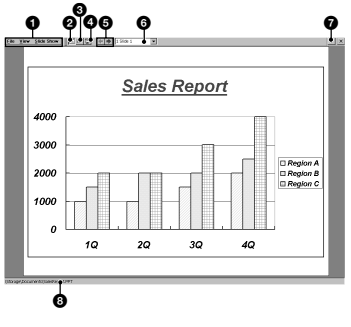
❾ Clock

❿ Desktop icon

Running a Presentation Using the Slide Viewer

You can run a presentation by using a file with PowerPoint stored in a computer located in the same conference room or far from the projector.
Even when a computer is not connected to the projector, you can also start the presentation using a file stored in the projector's storage or in the memory card installed into the PC CARD slot.

About the Slide Viewer window



❶ Menu bar

Menu	Command	Function
File	Open	Opens files stored in the projector.
	Recent Files	Opens the recently used files which are shown in the submenu.
	Close	Closes the currently displayed file.
	Version	Indicates version information on the program.
View	Slide View	Shows a slide in Slide View mode.
	Note View	Shows a slide in Note View mode.
	Slide Show	Runs a slide show.
View Show	Run	Runs a slide show.
	Set Up Show	Sets up the slide show.

❷ (Slide View) button
Shows a slide.

❸ (Note View) button
Shows a slide and speaker's note.

❹ (Slide Show) button
Runs a slide show.

❺ Slide transition buttons
Click the button to display the previous slide.
Click the button to display the next slide.

❻ Slide list box
Click to open the drop-down list and select the number of the slide you want to display.

❼ (Help) button
Click to display the Help topic for the Slide Viewer.

❽ File name
The name of a file is displayed.

Running a presentation

Using a file stored in a computer connected to the LAN

1 Double-click the My Projector icon in the Network Projector window.

2 Enter "\\ xxxx (name of a computer you want to access)" in the address column, then click the Enter button.
The shared folders for the computer are displayed.

Note

You have to set the items for Identification in the Network Configuration dialog box (page 9 (GB)), and have to set share files with a computer you want to access.

3 Select the folder which contains the PowerPoint file (.ppt or .pps file) you want to run a presentation, then double-click that file.
If the password is set for the selected computer, enter the password.
The Slide Viewer starts.

4 When you want to set up the slide show, click Set Up Show from the View Show menu.
The Set Up Show dialog box opens.
For details, see Help for Slide Viewer.

5 Click Run from the View Show menu to run the slide show.

Using a file stored in the projector or in the memory card

1 Double-click the Presentation Viewer icon in the Network Projector window.
The Presentation Viewer starts, and the Open File dialog box appears.

2 Select the PowerPoint file you want, and click the OK button.
The Slide Viewer starts, and the selected file appears in slide view.

3 Perform steps **4** and **5** in "Using a file stored in a computer connected to the LAN."

Switching the slide view mode

Slide Viewer has three view modes; Slide Show, Slide View and Note View, each of which gives you a different way of showing a slide. Display a view by clicking its corresponding command from the View menu. Clicking its button on the tool bar also switches the view.

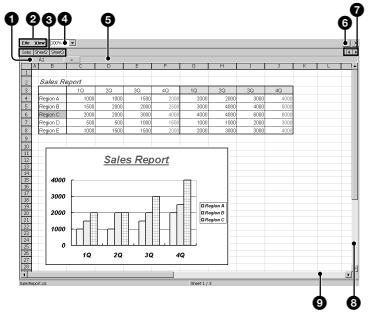
About Help for the Slide Viewer

For details on operations with the Slide Viewer, see Help. Clicking the button on the tool bar opens the Help topic.

Projecting an Excel File Using the Worksheet Viewer

You can project Excel files stored in a computer on the same LAN. You can also project those stored in the projector or in the memory card without connecting a computer.

About the Worksheet Viewer window



(continued)

❶ Name box
Identifies the currently selected cell.

❷ Menu bar

Menu	Command	Function
File	Open	Opens files stored in the projector.
	Close	Closes the currently displayed file.
	About	Indicates version information on the program.
View	Zoom	Opens the Zoom dialog box to enlarge or reduce the display.

❸ Sheet tabs
Displays the names of sheets. Click the sheet tab to make a sheet active.

❹ Zoom box
Click ▼ to select the magnification to reduce or enlarge the display of an active worksheet.

❺ Cell contents bar
Displays the result or constant value of the active cell.

❻ ? (Help) button
Displays the Help topic for the Worksheet Viewer.

❼ ◀/▶ buttons
Use to scroll through the sheet tabs. Click an arrow of the direction to which you want to scroll.

❽ ▲/▼ (up/down) scroll bar
Use to scroll the display up or down. To scroll, drag the box or click the arrow.

❾ ◀/▶ (left/right) scroll bar
Use to scroll the display left or right. To scroll, drag the box or click the arrow.

Projecting an Excel file

Using a file stored in a computer connected to the LAN

1 Follow steps **1** and **2** in "Running a presentation — Using a file stored in a computer connected to the LAN" on page 31 (GB).

2 Select the folder which contains the Excel file you want to project on the projector, then double-click that file.
If the password is set for the selected computer, enter the password.
The Worksheet Viewer starts and a worksheet in the selected Excel file appears on the projector.

Using a file stored in the projector or in the memory card

1 Double-click the Presentation Viewer icon in the Network Projector window.
The Presentation Viewer starts, and the Open File dialog box appears.

2 Select the Excel file you want to project, and click the OK button.
The Worksheet Viewer starts, and a worksheet in the selected file appears on the projector.

Changing the size or display area of the projected worksheet

When you want to zoom in or out the projected worksheet or change the area of the worksheet in view, see Help for Worksheet Viewer.

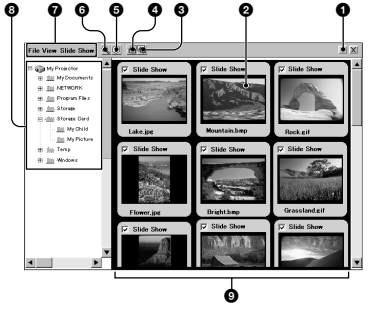
About Help for Worksheet Viewer

For details on operation with Worksheet Viewer, see Help. Clicking the ? button on the tool bar opens the Help topic.

Running a Slide Show Using the Image Viewer

You can display thumbnail images of the files stored in the projector or a memory card installed in the projector, then run a slide show by selecting the images you want.
When you start the Image Viewer of the projector and select the folder which contains the files you want, the main window opens.

About the main window of the Image Viewer



❶ ? (Help) button
Click to display the Help topic for the Image Viewer.

❷ Slide
Clicking a slide displays a green frame around the slide. This indicates that the slide is selected.

❸ (Slide Show Setting) button
Opens the Slide Show Setting dialog box for zooming, rotating, etc.

❹ (View Show) button
Clicking the button opens the sub menu for advancing a slide.

❺ (Information) button
Opens the information dialog box of the selected slide.

❻ (Full screen) button
Displays the full-screen window of a slide you choose.

❼ Menu bar

Menu	Command	Function
File	Close	Closes the currently displayed file.
	About	Indicates version information on the program.
View	Full Screen	Displays the full-screen window of an image you choose.
	Information	Opens the information dialog box of the selected image.
	Sort slides	Sorts the slides in a folder by specified order.
Slide Show	View Show	Runs a slide show by advancing a slide selected in the sub menu.
	Slide Show Setting	Sets up the slide show in detail.
	Select all	Selects all the slides included in the thumbnail window.
	Clear all	Cancels any selection of slides in thumbnail images.
	Load...	Loads the slide show setting file stored.
	Save...	Stores the current slide show setting as a setting file (Extension is ".SHO.")

❽ Folder dialog box
Browses the folders stored in the projector or a memory card installed in the projector.

❾ Slide display area
Displays thumbnail images of the slides included in the folder you select.

Displaying a full-screen image

You can display a full-screen image of an thumbnail image selected from the main window.

1 Double-click the Image Viewer icon in the Network Projector window.
The Image Viewer starts.

2 Select the folder which contains the image files you want to display from the folder dialog box.
You can choose the folder stored in the projector or a memory card installed in the projector.
The main window opens, showing thumbnail images of the slides contained in the selected folder.

(continued)

3 Select a slide you want to display by clicking a thumbnail slide.
The green frame appears on the selected slide.

4 Right-click the slide to select Full Screen, click Full Screen from the View menu, or click the button on the tool bar.
The slide is displayed to fit the projector screen.

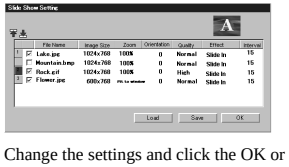
Running a slide show

1 Follow steps **1** and **2** in "Displaying a full-screen image."

2 Select slides you want to use for your slide show.
- Check the Slide Show check box on each slide you want to use. Check all the slides you are using.
- To use all of the slides in the selected folder, click Select all from the Slide Show menu.
- If you have already stored the slide show setting files, click Load... from the Slide Show menu to display the Load Slide show setting file dialog box. Select the file you want.

For details on the Slide show setting files, see "Saving the slide show setting."

3 When you want to set up the slide, such as zooming or rotating of an image, click Slide Show Setting from the Slide Show menu or click the button on the tool bar.
The Slide Show Setting dialog box appears.



Change the settings and click the OK or Save button.

Note

When projecting a large size image file such as those in UXGA format, it may not be opened or rotated due to lack of memory. In this case, reduce the image to obtain a smaller file size.

4 Click View Show from the Slide Show menu, or click the button on the tool bar.
The sub menu for choosing how to advance a slide opens. Clicking one of the options starts a slide show.

Saving the slide show setting

You can run a slide show repeatedly by using the files stored as the slide show setting files (.SHO files). You can also change the settings of the stored setting files.

To save the file

1 Click Save... from the Slide Show menu.
The Save Slide show setting file dialog box opens.

2 Enter the file name, then click the OK button.
The saved files are shown in the Load Slide show setting file dialog box.

To save after changing the settings

Click Slide Show Setting from the Slide Show menu to open the Slide Show Setting dialog box, and change the settings. Click the Save button to open the Save Slide show setting file dialog box. Follow step **2**.

To change the settings after saving

1 Click Slide Show Setting from the Slide Show menu.
The Slide Show Setting dialog box opens.

2 Click Load.
The Load Slide show setting file dialog box opens.

3 Select the file for which you want to change the settings, and click the OK button.
The Slide Show Setting dialog box opens.

4 Change the settings, then click the Save button.

To change the setting in the main window

1 Click Load... from the Slide Show menu.
The Load Slide show setting file dialog box opens.

2 Select the file you want to change, and click the OK button.
The main window opens.

3 Change the checks in the Slide Show check boxes of the slides.

About Help for Image Viewer

For details on operations with Image Viewer, see Help. Clicking the button on the tool bar opens the Help topic.

Connecting to the Internet

1 Double-click the Internet Browser icon in the Network Projector window.
The Internet Browser window appears.

2 Click the software keyboard icon on the task bar to display the screen keyboard, then enter the address for the homepage you want.

Troubleshooting

If the projector appears to be operating erratically, try to diagnose and correct the problem, using the following guide. If the problem still persists, consult with qualified Sony personnel.

Symptom	Causes and remedies
A connection to the network is not established.	• The PC card is not properly inserted into the PC CARD slot. → Check that the card is facing correctly, then push the card into the slot until it is firmly seated. • The cable is not properly connected to the ETHER connector. (VPL-PX15, VPL-FX50) → Insert the plug of the cable to the connector firmly. • The LAN PC card, wireless LAN PC card and wireless LAN access point you are using are not the specified/recommended ones. → Use the specified/recommended devices. Use of those not specified/recommended may cause incorrect operation. For information on the specified/recommended cards, etc., see the attached “Specified/recommended PC Card/Wireless LAN Access Point.” • The network environment is not properly set up. → Check the network configuration settings of the projector. (pages 9 (GB) and 13 (GB)) → When you control the projector by using the computer’s Web browser, check the network settings on the computer as well. • When you use a wireless LAN PC card, Enable On-board LAN is selected. (VPL-PX15, VPL-FX50) → Remove the check mark from the Enable On-board LAN checkbox. • When you are using the wireless LAN PC card, the wireless LAN is not properly set up. → Check that the Access Point ID and Encryption Key in the Connecting Status dialog box are set to the same numbers as those of the connected access point (page 11 (GB)). • When you are using the wireless LAN PC card, Peer to Peer mode is not properly set up. → Select Peer to Peer only on a piece of equipment connected to the same wireless LAN (page 11 (GB)). • The channel of the access point is set to 12–14. → Set the channel of the access point to 1–11. • The LAN PC card, wireless LAN PC card, memory card or access point still does not operate properly after checking the above. → Consult with the manufacturer of the card or access point you use. When you are using the specified Sony wireless LAN PC card, consult with the qualified Sony personnel.
The computer cannot access to the projector.	• The setting of INPUT-B FUNC. (VPL-PX15) or INPUT-C FUNC. (VPL-FX50) in the INSTALL SETTING menu is not correct. → Set it to ON. • The INPUT C/RS-232C/RS-422A select switch is not correctly set. (VPL-FE110U/M) → Set it to INPUT C. • The browser of your computer is set to “Access the Internet using a proxy server.” → Enter the IP address of the projector in the box “Access the Internet without using a proxy server.” • You entered the projector’s IP address started with 0 (zero). → Do not enter 0 at the beggining of the number. Example: 192.168.000.001 →192.168.0.1

Symptom	Causes and remedies
The projector screen freezes.	The Windows CE software is frozen. → Once you set INPUT-B FUNC. (VPL-PX15) or INPUT-C FUNC. (VPL-FX50) in the INSTALL SETTING menu to OFF, then reset it to ON. → Restart Windows CE by pressing the RESET key within 5 seconds after pressing the FUNCTION key on the supplied RM-PJ1001 Remote Commander. (VPL-FE110U/M)
Fonts or styles change in a PowerPoint or Excel file.	In the text of the file, fonts or styles not supported by the Slide Viewer or Worksheet Viewer are used. → Only the following fonts are available for the Slide Viewer. Other fonts will be replaced with these fonts; Arial, Bookman Old Style, Comic Sans MS, Impact, Symbol, Tahoma, Times New Roman, Wingdings. If replaced, an end of paragraph may change according to tab or pharagraph settings. Styles not supported by the Slide Viewer will be replaced with supported styles.
Some characters are not displayed in a PowerPoint or Excel file.	You cannot display characters that the Slide Viewer or Worksheet Viewer does not support, such as Chinese. → Use the file created in English, French, Spanish, German or Italian which are supported by the Slide Viewer.
Some features of a PowerPoint or Excel file are not properly displayed or such effects are not displayed at all.	The file is using the features that are not supported by the Slide Viewer or Worksheet Viewer of the projector. → The features will be replaced with those that are supported. Apply effects that are supported if nothing is displayed.
A slide show cannot be run. The message “Projector’s memory is full. Arrange the files stored in the projector with File Manager, then try to restart the slide show.” appears.	The memory of the projector is full. → Delete unnecessary files stored in the projector using File Manager to increase memory capacity.
A slide show cannot be run. The message “File size is too large. Decrease file size in any way; for example, by dividing it into smaller files, then try to restart the slide show.” appears.	File size exceeds the capacity for transition to the projector. → Check empty memory capacity in the File Manager window, then decrease the file’s capacity by dividing it into smaller files. → Click Option then Save from the Tool menu on the PowerPoint, then remove the check from Save Fast.
Internet Browser for the projector cannot be started.	The projector is not connected to the LAN. → Check the setups for the network configuration and wireless LAN environment. (pages 9 (GB)–13 (GB))
The message “Password is set for the file. Enter password.” appears.	The password is set for the projector or the file. → Enter the password. When the IP address is not changed from the factory-preset one, enter “root” in the Name text box for Administrator.
The message “You might have entered the wrong password. Enter it again.” appears.	The password you entered is not correct. → Enter the correct password.

© 1999 - 2001 WESTTEK LLC. All Rights Reserved. WESTTEK and the WT Logo are registered trademarks of WESTTEK, LLC.
The SONY VPL-Series projector contains materials owned by Sony and Sony suppliers, including WESTTEK, LLC. Your purchase of the SONY VPL-Series projector gives you a limited right to use these materials, solely as a part of the SONY VPL-Series projector and only as necessary to use the SONY VPL-Series projector in the manner described in the accompanying documentation. Your purchase of the SONY VPL-Series projector does not transfer any ownership in these materials to you and you are forbidden to use them for any purpose other than as part of the SONY VPL-Series projector. These materials are protected by copyright law and international treaties. Any unauthorized use, reproduction or distribution of such materials, or any portion of them, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent permissible under law.

お問い合わせは
「ソニー業務用製品ご相談窓口のご案内」にある窓口へ

ソニー株式会社　〒141-0001 東京都品川区北品川6-7-35
ソニーマーケティング株式会社 情報システム営業本部 〒108-0074 東京都港区高輪4-10-18

http://www.world.sony.com/

Sony Corporation Printed in Japan

SONY

4-084-128-**02** (1)

LCD Data Projector

Installation Manual for Dealers **Pages 3, 8 to 10 and 26 to 43**
This installation Manual for Dealers explains how to install the projector. For example, it explains lens installation, installation measurements when using the optional lens and when hanging the projector from the ceiling.

VPL-PX15/VPL-PX10/VPL-PS10

© 2001 Sony Corporation

1-3. VPL-PX10/PX15/PS10 Installation Manual

This section is extracted form installation manual.

English

Table of Contents

Precautions **8**
Overview **9**
Installing the Lens **9**
Installation Diagram **26**
Floor Installation 26
Ceiling Installation 32
Attaching the projector suspension support PSS-610 38
Dimensions **41**

English

Precautions

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply. If voltage adaptation is required, consult with qualified Sony personnel.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified Sony personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out grasping the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- Avoid using an extension cord with a low voltage limit since it may cause a short-circuit and physical injury.
- To carry the projector, be sure to use the carrying handle. Do not hold other parts of the projector, especially the lens.
- Do not catch your finger between the unit and the floor when moving a projector installed on the floor.
- Be careful not to catch your finger in the cooling fan.
- Do not carry the projector with the cabinet on and with its cover open.

On installation

- When the projector is mounted on the ceiling, the Sony PSS-610 Projector Suspension Support must be used for installation.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes. Leave space of more than 50 cm (19 3/4 inches) between the wall and the projector. Be aware that room heat rises to the ceiling; check that the temperature near the installation location is not excessive.
- Install the projector on the floor or ceiling. Installation in any other location may cause a malfunction such as color irregularity or shortening of lamp life.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust or humidity, mechanical vibration or shock.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.
- Be sure to secure the cabinet cover firmly when installing the unit on the ceiling.

On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

On preventing internal heat build-up

- After you turn off the power with the I / ⏻ key on the control panel or on the Remote Commander, do not disconnect the unit from the wall outlet while the cooling fan is still running.
- Do not disconnect the AC power cord from the wall outlet while the fan is still running.

Caution

The projector is equipped with ventilation holes (intake) at the bottom and rear and ventilation holes (exhaust) at the front. Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the projector.

On cleaning

- To keep the cabinet looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner, benzene, or abrasive cleansers, since these will damage the cabinet.
- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Clean the filter at regular intervals.

On repacking

Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

Overview

This manual describes how to install the Sony LCD Data Projector VPL-PX15/PX10/PS10. It also describes how to install the optional lens and provides installation diagrams. When you install the lens, also refer to the Operating Instructions.

Installing the Lens

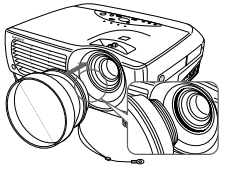
You can install the following two types of lenses on the projector.
- VPLL-CT10 Long Focused Converter Lens
- VPLL-CW10 Short Focused Converter Lens

Follow the steps below to install the lens.
For details on installing the lens, also refer to the installation manual supplied with the lens.

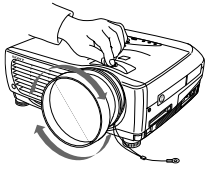
1 Turn off the power and disconnect the power cable.

2 Remove the lens caps (×2) from the lens you wish to install.

3 Align the screw of the lens with the thread around the standard lens of the projector as illustrated below.



4 While holding the focus ring in place, turn the lens clockwise until you hear it click.



Note

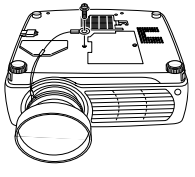
If the lens is hard to turn, turn it slightly counterclockwise first, then turn it clockwise.

5 Place a thick cloth (e.g., a cushion) beneath the projector. Grasp the projector handle and place the projector face down.

Note

The lens projects from the top of the projector when the lens is installed on the projector. Before installation, place an adequately thick cloth beneath the projector to keep the lens from contact with the floor or a desk top. Otherwise, the lens may malfunction if it receives too much pressure from the weight of the projector.

6 Fasten the end of the safety wire of the lens to the bottom of the projector using the screw supplied with the lens (M5×8, with washers).

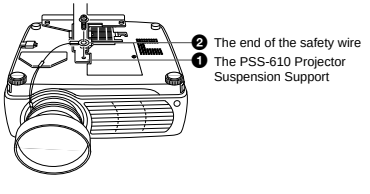


Note

Be sure to fasten the end of the safety wire of the lens to the bottom of the projector.

When installing the projector on the ceiling

Insert the PSS-610 Projector Suspension Support between the end of the safety wire of the installed lens and the bottom of the projector, and use the screw (M5×12) supplied with the PSS-610 as described in step **6** above to connect them as illustrated below.



WARNING

Be sure to use the screw (M5×12) supplied with the PSS-610. Never use the screw supplied with the lens. If you use the screw supplied with the lens, the lens may fall from the projector and may cause injury.

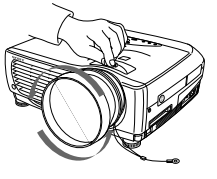
Notes on installation of the lens

- The lens scratches easily, so when handling it, always place it gently on a stable and level surface in a horizontal position.
- Be sure not to bump the lens on the surface of the standard lens of the projector.
- Avoid touching the lens surface.

Removing the installed lens

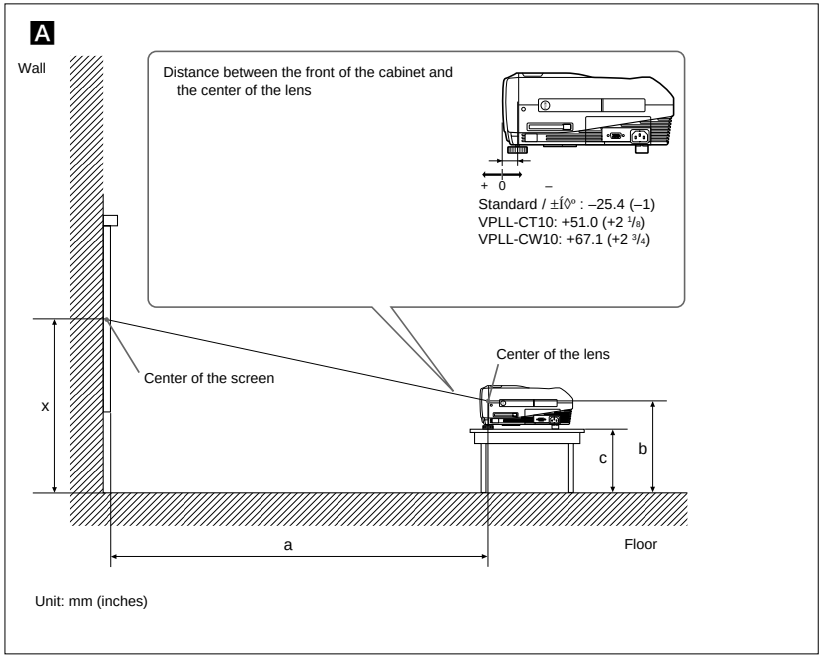
1 Remove the end of the safety wire of the installed lens from the bottom of the projector by removing the screw.

2 While holding the focus ring in place, turn the installed lens counterclockwise until the lens can be removed.



Note

Be sure not to drop the uninstalled lens.



English

Installation Diagram

Floor Installation

This section describes the examples for installing the projector on the desk, etc. A

See the charts on pages 28 and 29 concerning the installation measurements.
When using the standard lens, refer to the operating instructions.

The alphabetical letters in the illustration indicate the distances below.
a : distance between the screen and the center of the lens
b : distance between the floor and the center of the lens
c : distance between the floor and the bottom of the adjusters of the projector
x : free

VPL-PX15/PX10

Unit: mm (inches)

■ VPLL-CT10

SS	40	60	80	100
a	2176 (85 7/8)	3370 (132 3/4)	4567 (179 5/8)	5757 (226 7/8)
b	x-305 (12)	x-457 (18)	x-610 (24)	x-762 (30)
c	x-388 (15 3/8)	x-541 (21 3/8)	x-693 (27 3/8)	x-845 (33 3/8)

a = (SS × 54.15/0.9071) – 211.9761
b = x – (SS/0.9071 × 6.912)
c = x – (SS/0.9071 × 6.912 + 83.4)

When you use the VPLL-CT10, set the screen size between 40 to 100 inches.

■ VPLL-CW10

SS		60	80	100	120	150	180	200	250	300
a	N	1728 (68 1/8)	2331 (91 3/4)	2934 (115 5/8)	3536 (139 1/2)	4440 (174 7/8)	5344 (210 3/8)	5947 (234 3/8)	7454 (293 3/8)	8961 (352 7/8)
	M	2094 (82 3/8)	2819 (111 1/8)	3543 (139 1/2)	4267 (168 1/4)	5353 (210 3/4)	6439 (253 5/8)	7163 (282)	8974 (353 1/4)	10784 (424 1/2)
b		x-457 (18)	x-610 (24)	x-762 (30)	x-914 (36)	x-1143 (45)	x-1372 (54)	x-1524 (60)	x-1905 (75 1/8)	x-2286 (90 1/8)
c		x-541 (21 3/8)	x-693 (27 3/8)	x-845 (33 3/8)	x-998 (39 3/8)	x-1226 (48 3/8)	x-1455 (57 3/8)	x-1607 (63 3/8)	x-1988 (78 3/8)	x-2369 (93 3/8)

a (N) = {(SS × 26.67/0.9071) – 78} × 1.025
a (M) = {(SS × 33.6858/0.9071) – 80.10359} × 0.975
b = x – (SS/0.9071 × 6.912)
c = x – (SS/0.9071 × 6.912 + 83.4)

When you use the VPLL-CW10, set the screen size between 60 to 300 inches.

VPL-PS10

Unit: mm (inches)

■ VPLL-CT10

SS	40	60	80	100
a	2179 (85 7/8)	3375 (133 1/8)	4571 (180)	5767 (227 1/4)
b	x-305 (12 1/8)	x-458 (18 1/8)	x-611 (24 1/8)	x-763 (30 1/8)
c	x-389 (15 3/8)	x-541 (21 3/8)	x-694 (27 3/8)	x-847 (33 3/8)

a = (SS × 54.15/0.9055) – 213
b = x – (SS/0.9055 × 6.912)
c = x – (SS/0.9055 × 6.912 + 83.4)

When you use the VPLL-CT10, set the screen size between 40 to 100 inches.

■ VPLL-CW10

SS		60	80	100	120	150	180	200	250	300
a	N	1731 (68 1/8)	2335 (92 1/4)	2939 (115 7/8)	3543 (139 1/2)	4448 (175 1/4)	5354 (210 3/4)	5958 (234 3/4)	7467 (294 1/4)	8977 (353 5/8)
	M	2098 (82 3/4)	2824 (111 1/8)	3549 (139 7/8)	4274 (168 1/4)	5363 (211 1/8)	6451 (254)	7176 (282 3/4)	8990 (354)	10803 (425 1/4)
b		x-458 (18 1/8)	x-611 (24 1/8)	x-763 (30 1/8)	x-916 (36 1/8)	x-1145 (45 1/8)	x-1374 (54 1/8)	x-1527 (60 1/8)	x-1908 (75 1/4)	x-2290 (90 1/4)
c		x-541 (21 3/8)	x-694 (27 3/8)	x-847 (33 3/8)	x-999 (39 3/8)	x-1228 (48 3/8)	x-1457 (57 3/8)	x-1610 (63 1/2)	x-1992 (78 1/2)	x-2373 (93 1/2)

a (N) = {(SS × 26.67/0.9055) – 78.2988048} × 1.025
a (M) = {(SS × 33.685039/0.9055) – 80} × 0.975
b = x – (SS/0.9055 × 6.912)
c = x – (SS/0.9055 × 6.912 + 83.4)

When you use the VPLL-CW10, set the screen size between 60 to 300 inches.

English

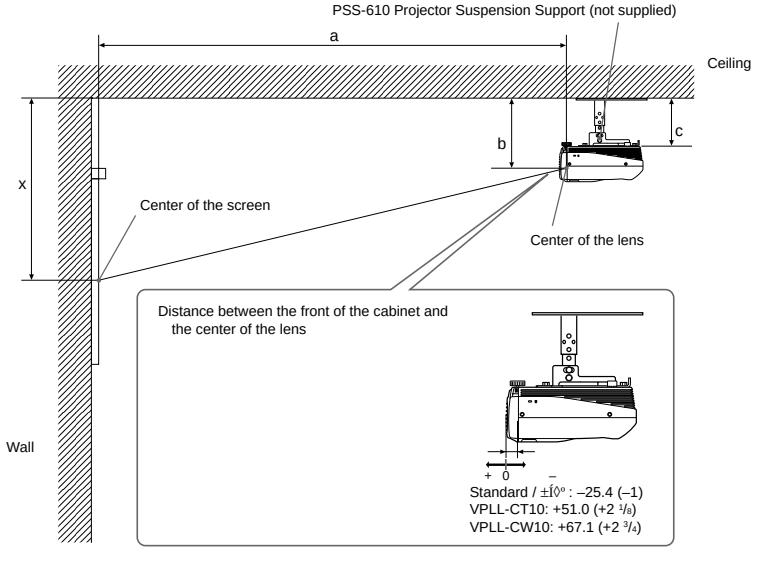
Installation Diagram

Floor Installation

The installation measurements and their calculation method for each lens are shown on pages 28 and 29.

The alphabetical letters in the charts and calculation methods indicate the following.
SS : screen size measured diagonally (inches)
a : distance between the screen and the center of the lens
b : distance between the floor and the center of the lens
c : distance between the floor and the bottom of the adjusters of the projector
x : free
N : minimum
M : maximum

B



Unit: mm (inches)

English

Ceiling Installation

This section describes the examples for installing the projector on the ceiling. **B**
When installing the projector on the ceiling, use the PSS-610 Projector Suspension Support.
For ceiling installation, ask for qualified Sony personnel only.

See the charts on pages 34 and 35 concerning the installation measurements.

The alphabetical letters in the illustration indicate the distances below.
a : distance between the screen and the center of the lens
b : distance between the ceiling and the center of the lens
c : distance between the ceiling and the surface of the mounting bracket
x : distance between the ceiling and the center of the screen

VPL-PX15/PX10

Unit: mm (inches)

■ Standard lens

SS		40	60	80	100	120	150	180	200	250	300
a	N	1458 (57 1/2)	2217 (87 1/2)	2977 (117 3/8)	3736 (147 3/8)	4495 (177 1/4)	5635 (221 3/4)	6774 (266 5/8)	7533 (296 1/2)	9432 (371 3/8)	11330 (446 1/8)
	M	1764 (69 3/8)	2675 (105 1/4)	3586 (141 3/8)	4497 (177 1/4)	5408 (213 1/8)	6774 (266 5/8)	8141 (320 5/8)	9052 (356 3/8)	11329 (446 1/8)	13607 (536)
b						c+71.7 (2 7/8)					
x		c+377 (14 7/8)	c+529 (20 7/8)	c+681 (26 7/8)	c+834 (32 7/8)	c+986 (38 7/8)	c+1215 (47 7/8)	c+1443 (56 7/8)	c+1596 (62 7/8)	c+1977 (77 7/8)	c+2358 (92 7/8)

a (N) = {(SS × 33.60/0.9071) – 59.7012} × 1.025
a (M) = {(SS × 42.376846/0.9071) – 59.62151} × 0.975
x = c + (SS/0.9071 × 6.912 + 71.7)

■ VPLL-CT10

SS	40	60	80	100
a	2176 (85 7/8)	3370 (132 3/4)	4567 (179 5/8)	5757 (226 7/8)
b		c+71.7 (2 7/8)		
x	c+377 (14 7/8)	c+529 (20 7/8)	c+681 (26 7/8)	c+834 (32 7/8)

a = (SS × 54.15/0.9071) – 211.9761
x = c + (SS/0.9071 × 6.912 + 71.7)

When you use the VPLL-CT10, set the screen size between 40 to 100 inches.

■ VPLL-CW10

SS		60	80	100	120	150	180	200	250	300
a	N	1728 (68 1/8)	2331 (91 3/4)	2934 (115 5/8)	3536 (139 1/2)	4440 (174 7/8)	5344 (210 3/8)	5947 (234 3/8)	7454 (293 3/8)	8961 (352 7/8)
	M	2094 (82 3/8)	2819 (111 1/8)	3543 (139 1/2)	4267 (168 1/4)	5353 (210 3/4)	6439 (253 5/8)	7163 (282)	8974 (353 1/4)	10784 (424 1/2)
b						c+71.7 (2 7/8)				
x		c+529 (20 7/8)	c+681 (26 7/8)	c+834 (32 7/8)	c+986 (38 7/8)	c+1215 (47 7/8)	c+1443 (56 7/8)	c+1596 (62 7/8)	c+1977 (77 7/8)	c+2358 (92 7/8)

a (N) = {(SS × 26.67/0.9071) – 78} × 1.025
a (M) = {(SS × 33.6858/0.9071) – 80.10359} × 0.975
x = c + (SS/0.9071 × 6.912+71.7)

When you use the VPLL-CW10, set the screen size between 60 to 300 inches.

VPL-PS10

Unit: mm (inches)

■ Standard lens

SS		40	60	80	100	120	150	180	200	250	300
a	N	1461 (57 1/2)	2221 (87 1/2)	2982 (117 3/8)	3742 (147 3/8)	4503 (177 1/4)	5644 (221 1/8)	6784 (267)	7545 (297 3/8)	9446 (372 1/8)	11348 (447)
	M	1767 (69 3/4)	2680 (105 5/8)	3592 (141 3/8)	4505 (177 1/4)	5417 (213 1/2)	6786 (267 3/8)	8154 (321)	9067 (357 1/4)	11348 (447)	13629 (536 3/4)
b						c+71.7 (2 7/8)					
x		c+377 (14 7/8)	c+530 (20 7/8)	c+682 (26 7/8)	c+835 (32 7/8)	c+988 (39)	c+1217 (48)	c+1446 (57)	c+1598 (63)	c+1980 (78)	c+2362 (93)

a (N) = {(SS × 33.59/0.9055) – 59} × 1.025
a (M) = {(SS × 42.370377/0.9055) – 58.9761} × 0.975
x = c + (SS/0.9055 × 6.912 + 71.7)

■ VPLL-CT10

SS	40	60	80	100
a	2179 (85 7/8)	3375 (133 1/8)	4571 (180)	5767 (227 1/4)
b		c+71.7 (2 7/8)		
x	c+377 (14 7/8)	c+530 (20 7/8)	c+682 (26 7/8)	c+835 (32 7/8)

a = (SS × 54.15/0.9055) – 213
x = c + (SS/0.9055 × 6.912 + 71.7)

When you use the VPLL-CT10, set the screen size between 40 to 100 inches.

■ VPLL-CW10

SS		60	80	100	120	150	180	200	250	300
a	N	1731 (68 1/8)	2335 (92 1/4)	2939 (115 7/8)	3543 (139 1/2)	4448 (175 1/4)	5354 (210 3/4)	5958 (234 3/4)	7467 (294 1/4)	8977 (353 5/8)
	M	2098 (82 3/4)	2824 (111 1/8)	3549 (139 7/8)	4274 (168 1/4)	5363 (211 1/8)	6451 (254)	7176 (282 3/4)	8990 (354)	10803 (425 1/4)
b						c+71.7 (2 7/8)				
x		c+530 (20 7/8)	c+682 (26 7/8)	c+835 (32 7/8)	c+988 (39)	c+1217 (48)	c+1446 (57)	c+1598 (63)	c+1980 (78)	c+2362 (93)

a (N) = {(SS × 26.67/0.9055) – 78.2988048} × 1.025
a (M) = {(SS × 33.685039/0.9055) – 80} × 0.975
x = c + (SS/0.9055 × 6.912+71.7)

When you use the VPLL-CW10, set the screen size between 60 to 300 inches.

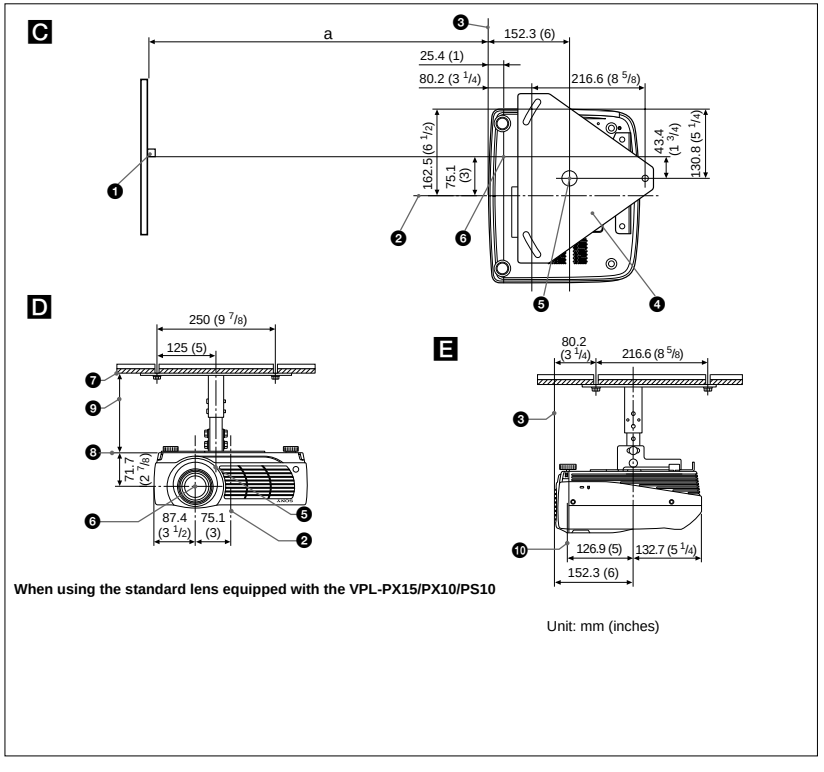
English

Ceiling Installation

The installation measurements and their calculation method for each lens are shown on pages 34 and 35.

The alphabetical letters in the charts and calculation methods indicate the following.

SS : screen size measured diagonally (inches)
a : distance between the screen and the center of the lens
b : distance between the ceiling and the center of the lens
c : distance between the ceiling and the surface of the mounting bracket
150/175/200/250/275/300 mm (6, 7, 7 7/8, 9 7/8, 10 7/8, 11 7/8 inches) adjustable using one of the two types of adjustment pipe available for the PSS-610
x : distance between the ceiling and the center of the screen
N : minimum
M : maximum



When using the standard lens equipped with the VPL-PX15/PX10/PS10

Unit: mm (inches)

English

Attaching the projector suspension support PSS-610

For more details on the ceiling installation, refer to the Installation manual for Dealers of the PSS-610. The installation measurements are shown on page 38 when you install the projector on the ceiling.

Top view C
Align the center of the lens with the center of the screen.

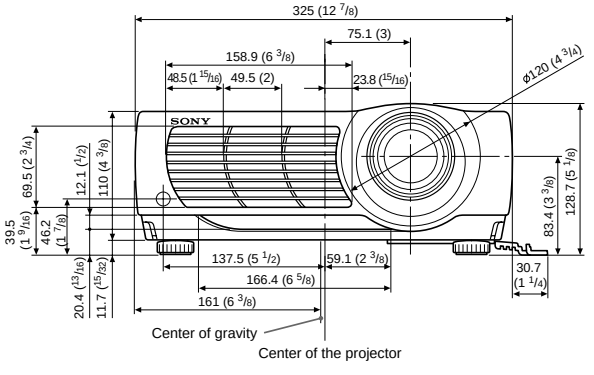
Front view D
The lens is offset 43.4 mm (1 3/4 inches) to the left from the center of the supporting pole. When mounting, take care to align the center of the lens with the center of the screen; not the center of the supporting pole.

Side view E

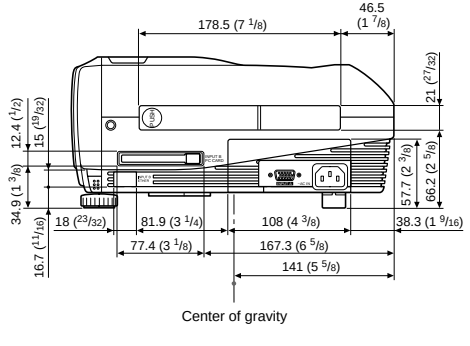
a : distance between the screen and the center of the lens
❶ Center of the screen
❷ Center of the unit
❸ Front of the cabinet
❹ Upper ceiling mount bracket
❺ Center of the supporting pole (The center of the supporting pole is different from that of the unit.)
❻ Center of the lens
❼ Ceiling
❽ The bottom surface of the mounting bracket
❾ Distance between the ceiling and the surface of the mounting bracket
Using adjustment pipe (b): 150/175/200 mm (6/7/7 7/8 inches)
Using adjustment pipe (c): 250/275/300 mm (9 7/8 /10 7/8 /11 7/8 inches)
❿ Front of the lens

Dimensions

Front



Side

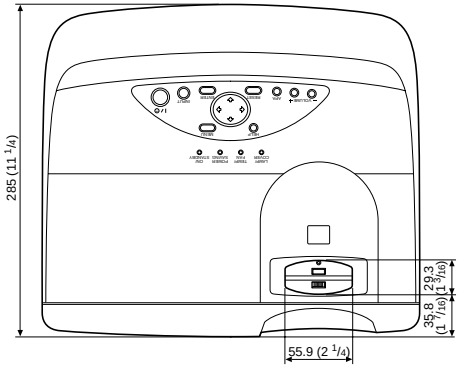


This illustration shows the VPL-PX15.

Unit: mm (inches)

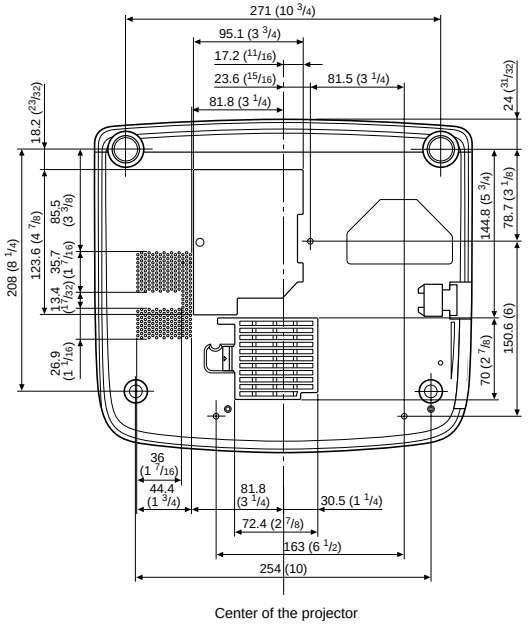
Dimensions

Top



Unit: mm (inches)

Bottom



Center of the projector

Unit: mm (inches)

お問い合わせは
「ソニー業務用製品ご相談窓口のご案内」にある窓口へ

ソニー株式会社 〒141-0001 東京都品川区北品川6-7-35
ソニーマーケティング株式会社 情報システム営業本部 〒108-0074 東京都港区高輪4-10-18

http://www.world.sony.com/

Printed on recycled paper

Printed in Japan

SONY

4-084-806-**01** (1)

Projection Lens

Operating Instructions **Manual de instrucciones**
Mode d'emploi **Istruzioni per l'uso**
Bedienungsanleitung 使用说明书

VPLL-CW10

Sony Corporation © 2001 Printed in Japan

English

The VPLL-CW10 Projection Lens is a short focal length converter lens designed for use with the Sony VPL-PX15/PX10/PS10, etc LCD Data Projector.

About lens attachment

Attaching the lens may cause injury to the person.
Users should request qualified Sony representative to attach the lens.

Notes on lens attachment

- The lens scratches easily. When handling the lens, always place it gently on a stable, level surface in a horizontal position.
- Avoid touching the lens surface.

Specifications

Short Focal Length Converter Lens	
	F=1.9 to 2.1 f=26.8 to 33.5 mm ($1^{1}/_{16}$ to $1^{3}/_{8}$ inches)
Projection picture size	60 to 300 inches
Throwing distance (when using VPL-PX15/PX10)	100 inches: 2934 to 3543 mm ($115^{3}/_{8}$ to $139^{1}/_{2}$ inches) 200 inches: 5947 to 7163 mm ($234^{3}/_{8}$ to 282 inches) 300 inches: 8961 to 10784 mm ($352^{7}/_{8}$ to $424^{1}/_{2}$ inches)
Throwing distance (when using VPL-PS10)	100 inches: 2939 to 3549 mm ($115^{7}/_{8}$ to $139^{7}/_{8}$ inches) 200 inches: 5958 to 7176 mm ($234^{3}/_{4}$ to $282^{3}/_{4}$ inches) 300 inches: 8977 to 10803 mm ($353^{5}/_{8}$ to $425^{1}/_{4}$ inches)
Dimensions	116 ×116 ×78.5 mm ($4^{1}/_{2}$ ×$4^{1}/_{2}$ ×$3^{1}/_{6}$ inches) (w/h/d)
Mass	1130 g (2 lb 8 oz)
Supplied accessories	Operating Instructions (1) Screw (1)

Design and specifications are subject to change without notice.

This section is extracted form installation manual.

SONY

4-084-808-**01** (1)

Projection Lens

Operating Instructions **Manual de instrucciones**
Mode d'emploi **Istruzioni per l'uso**
Bedienungsanleitung 使用说明书

VPLL-CT10

Sony Corporation © 2001 Printed in Japan

This section is extracted form installation manual.

English

The VPLL-CT10 Projection Lens is a long focal length converter lens designed for use with the Sony VPL-PX15/PX10/PS10, etc LCD Data Projector.

About lens attachment

Attaching the lens may cause injury to the person.
Users should request qualified Sony representative to attach the lens.

Notes on lens attachment

- The lens scratches easily. When handling the lens, always place it gently on a stable, level surface in a horizontal position.
- Avoid touching the lens surface.
- When you use the VPLL-CT10, set the standard lens of the projector to the long focus position to prevent vignetting (a fall-off in brightness at the edges of the image).

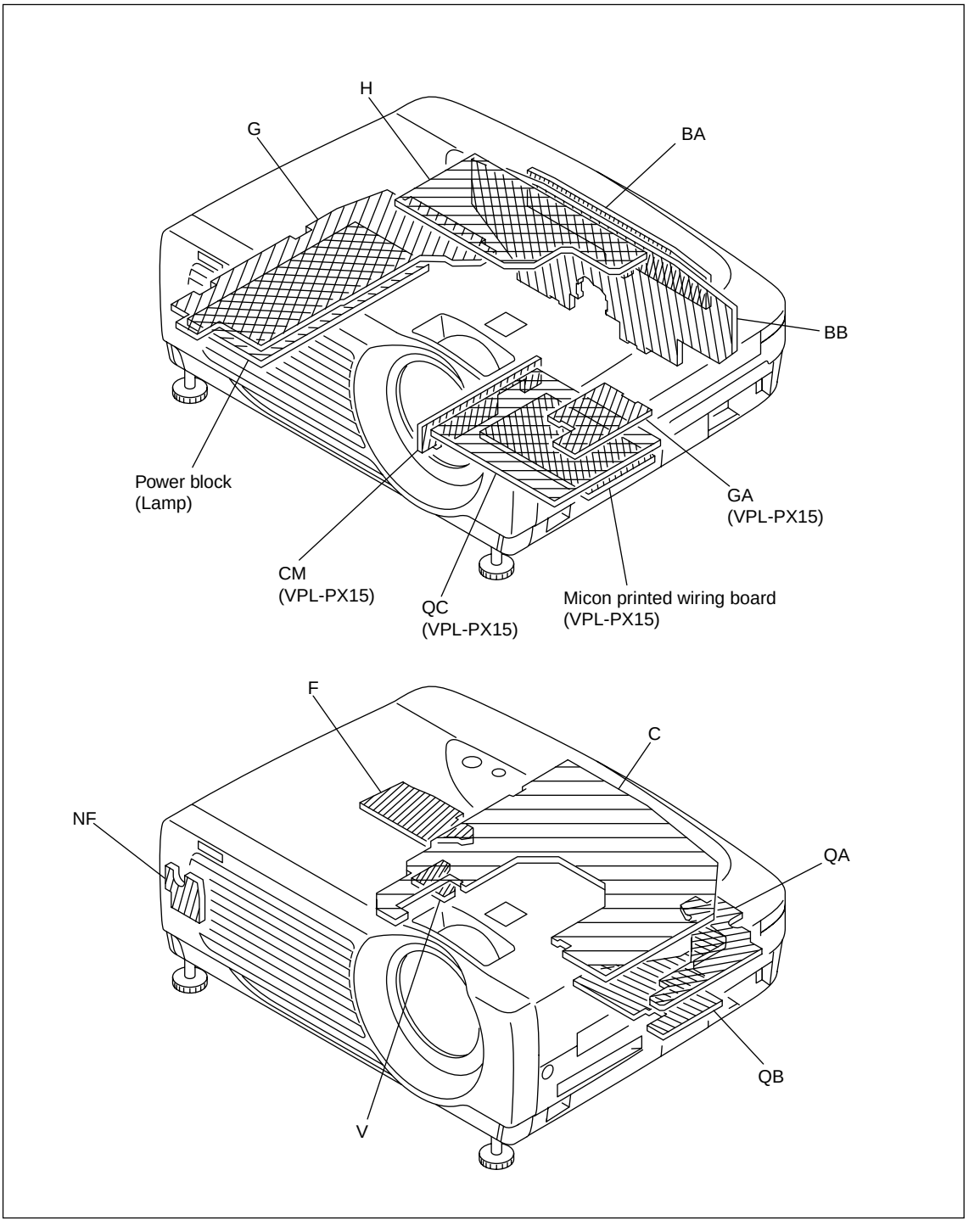
Specifications

Long Focal Length Converter Lens	
	F=2.2 f=53.5 mm ($2^1/_8$ inches)
Projection picture size	40 to 100 inches
Throwing distance (when using VPL-PX15/PX10)	40 inches: 2176 mm ($85^7/_8$ inches)
	80 inches: 4567 mm ($179^5/_8$ inches)
	100 inches: 5757 mm ($226^7/_8$ inches)
Throwing distance (when (when using VPL-PS10)	40 inches: 2179 mm ($85^7/_8$ inches)
	80 inches: 4571 mm (180 inches)
	100 inches: 5767 mm ($227^1/_4$ inches)
Dimensions	136 ×136 ×104.5 mm ($5^3/_8$ ×$5^3/_8$ × $4^1/_8$ inches) (w/h/d)
Mass	1110 g (2 lb 7 oz)
Supplied accessories	Operating Instructions (1)
	Screw (1)

Design and specifications are subject to change without notice.

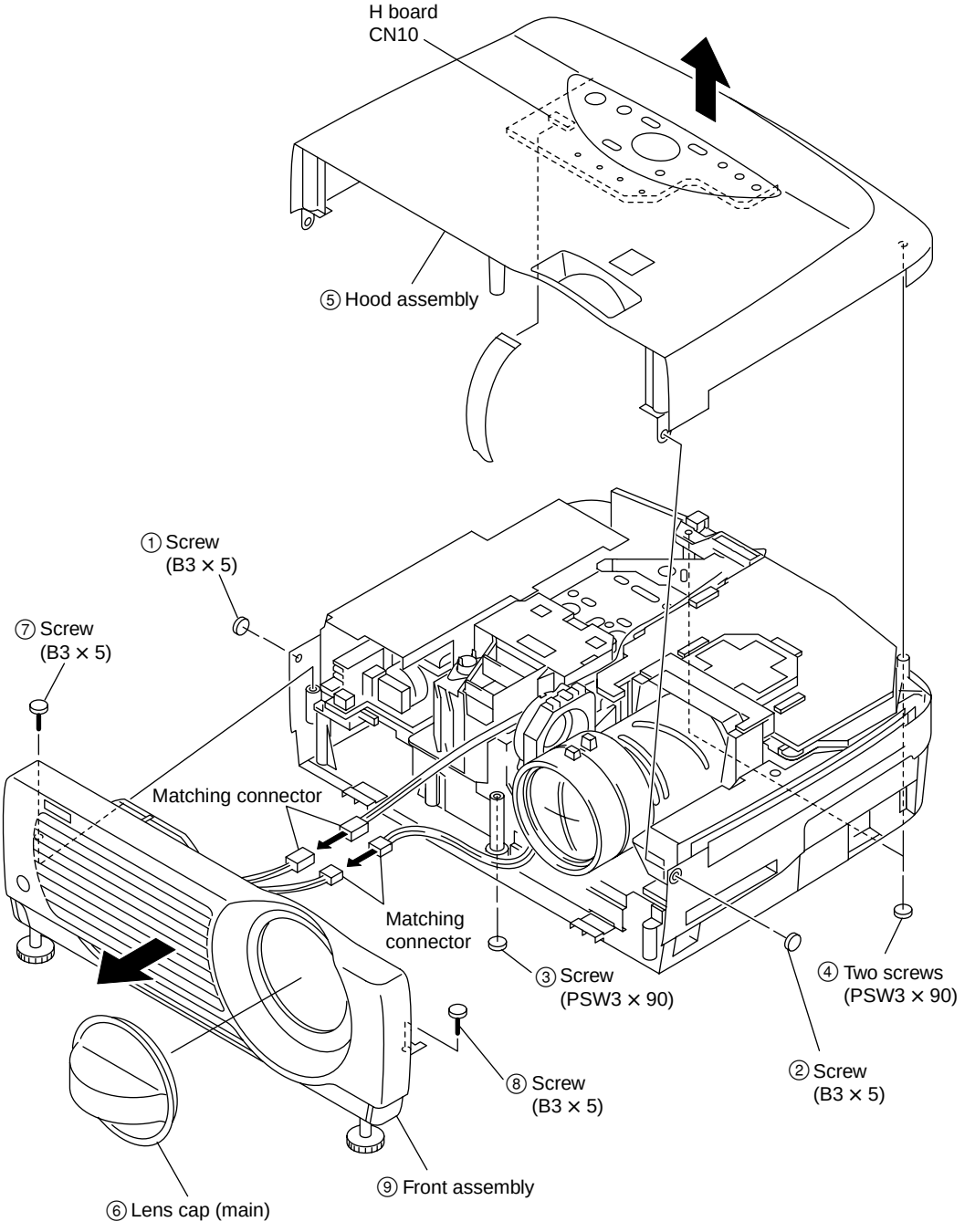
Section 2
Service Informations

2-1. Board Layout

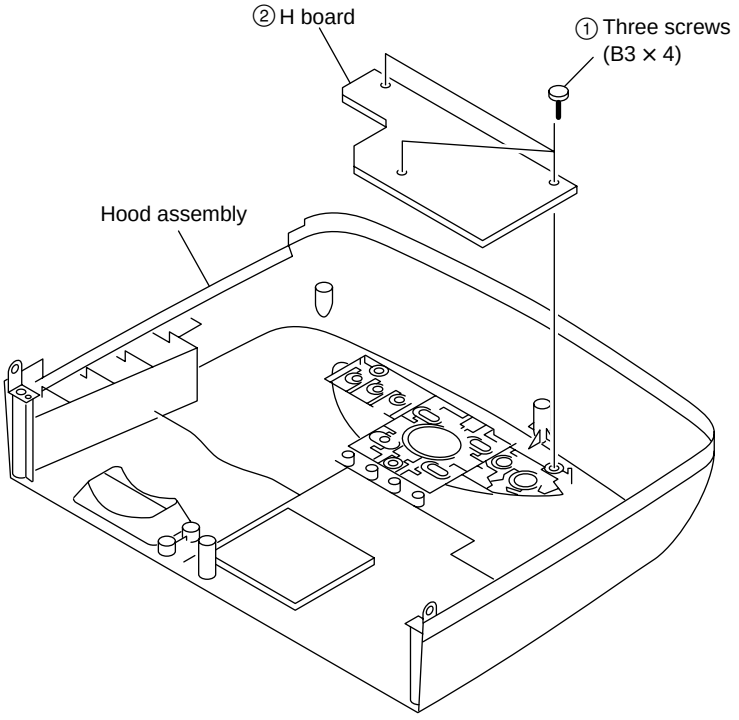


2-2. Disassembly

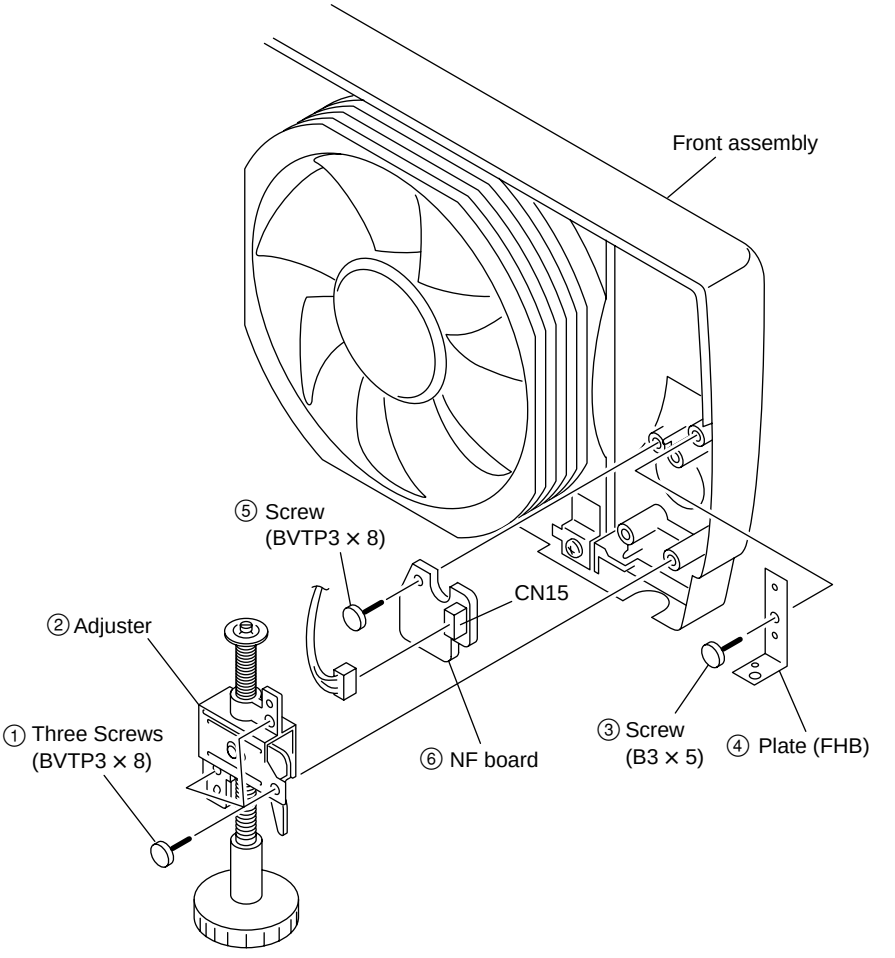
2-2-1. Hood Assembly and Front Assembly Removal



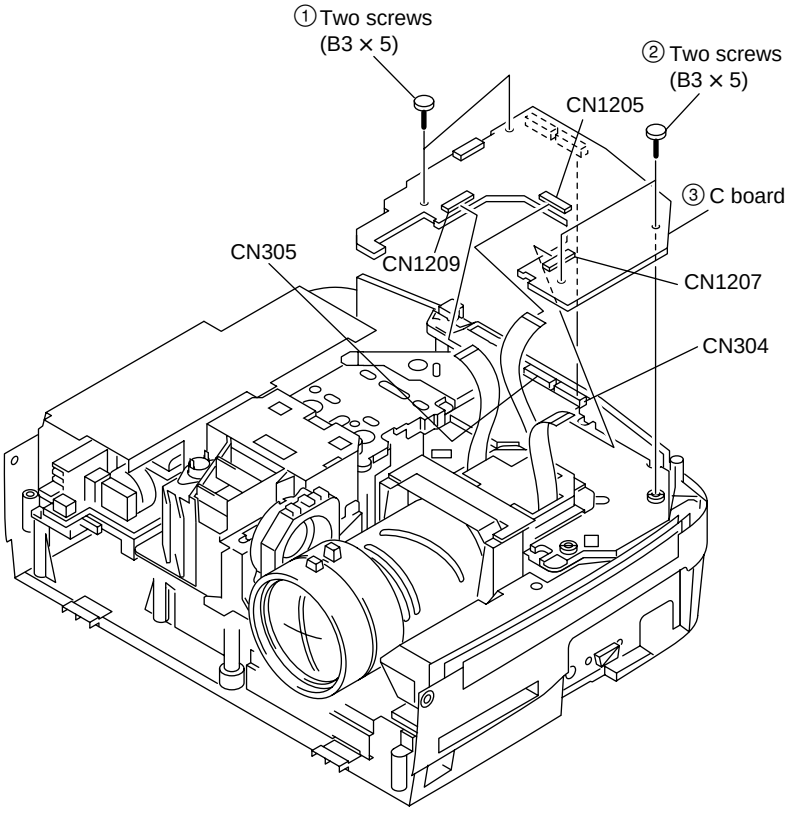
2-2-2. H Board Removal



2-2-3. NF Board Removal

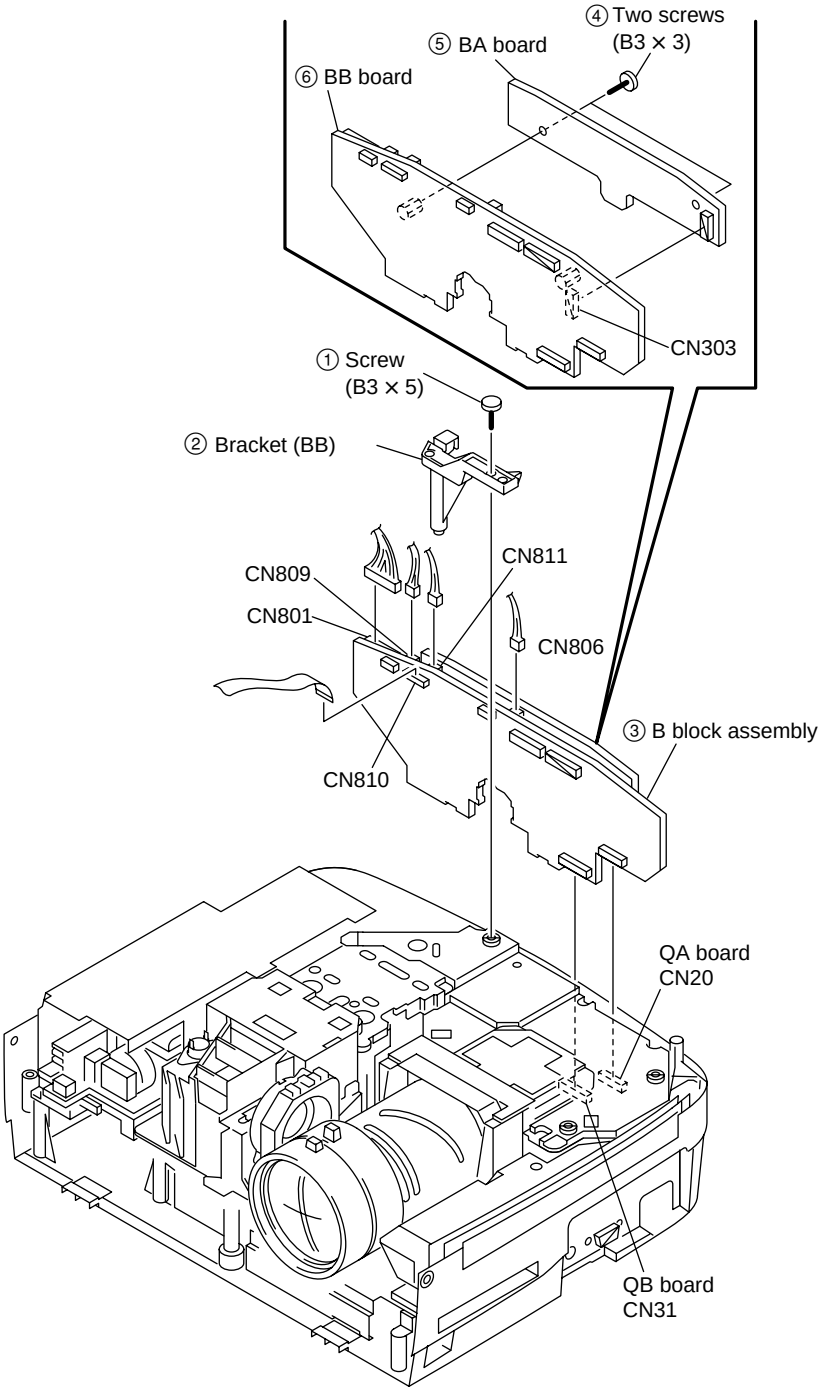


2-2-4. C Board Removal

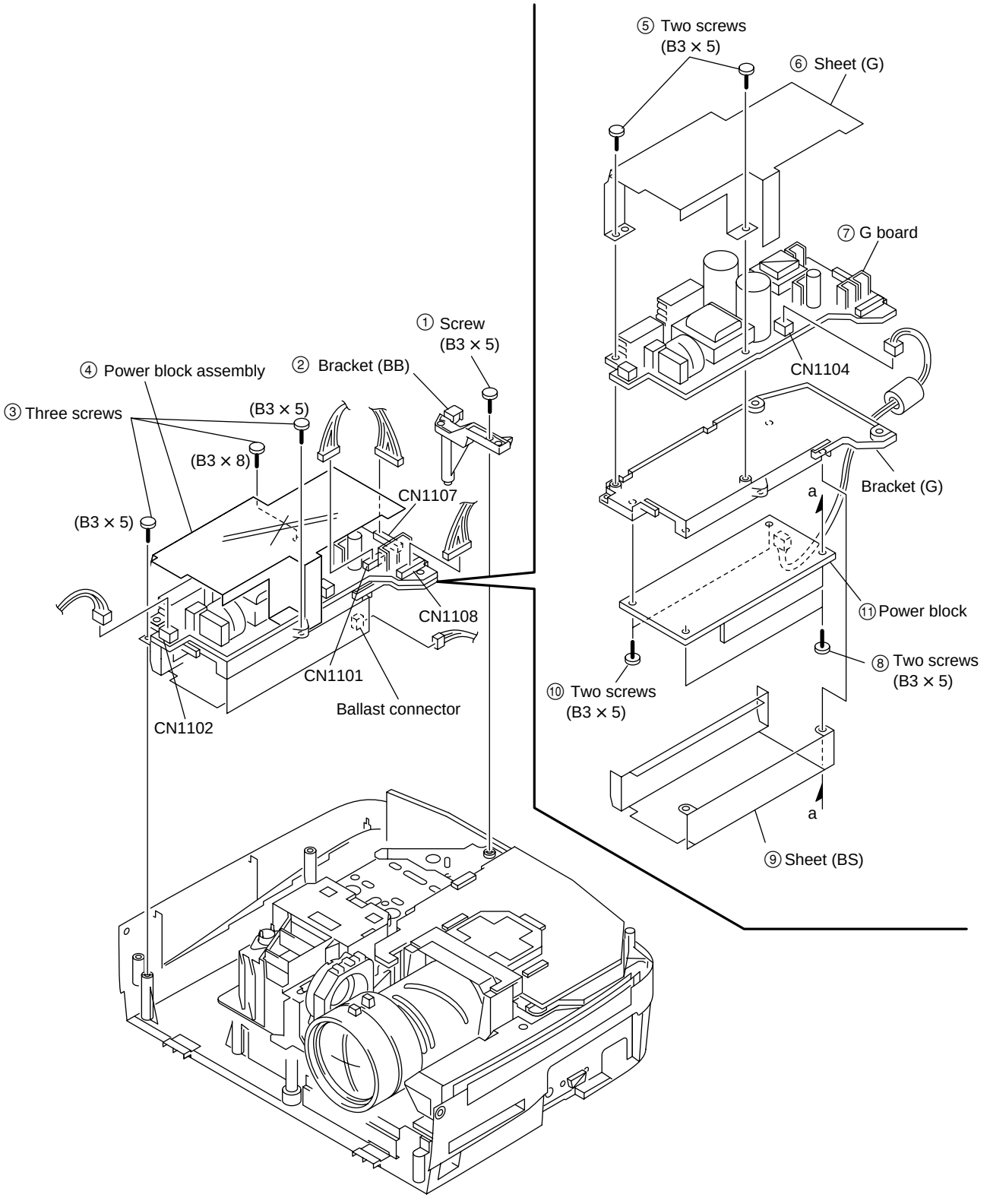


2-2-5. BB and BA Boards Removal

* Remove the C board. (Refer to 2-2-4.)

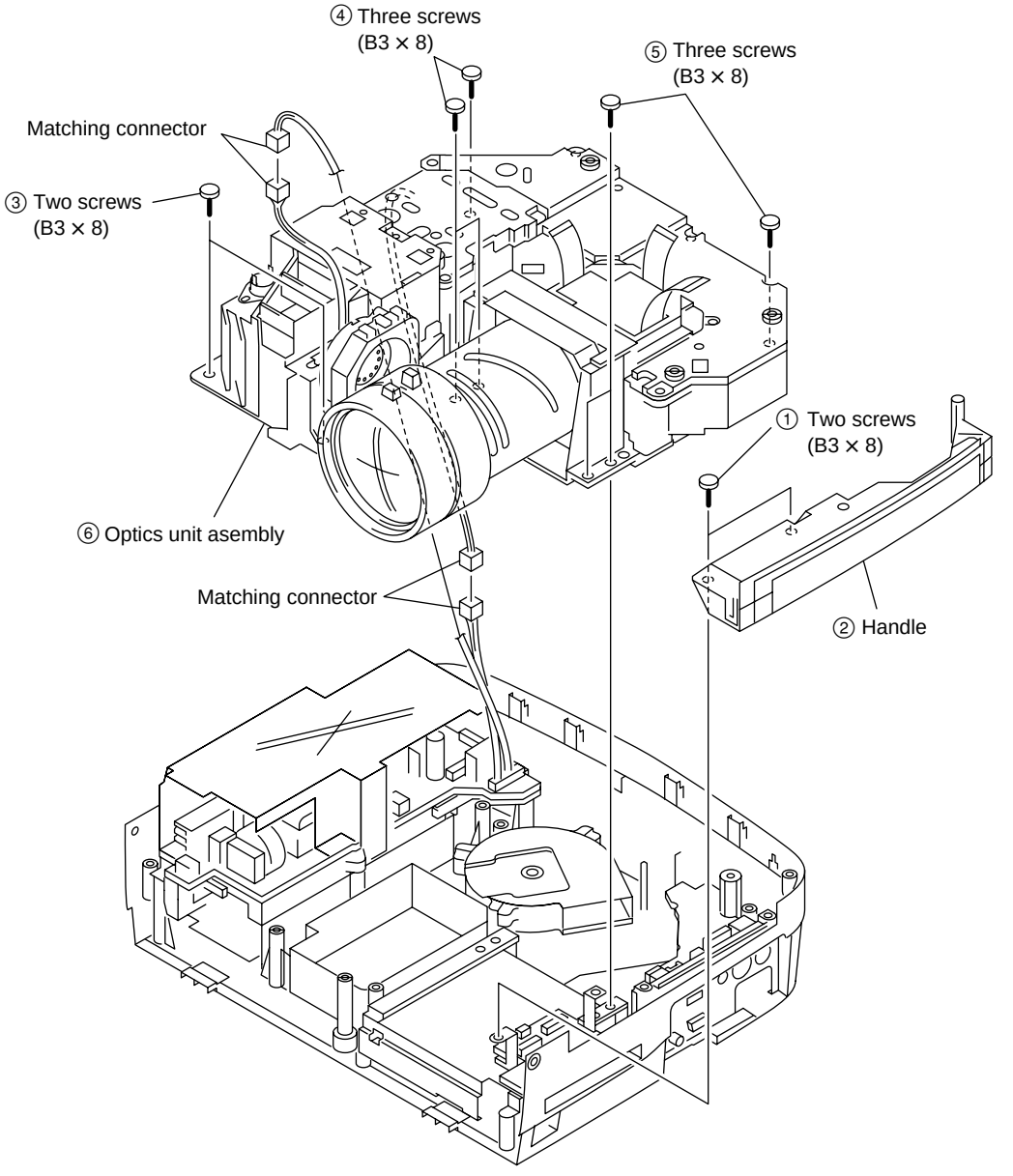


2-2-6. Power Block Removal



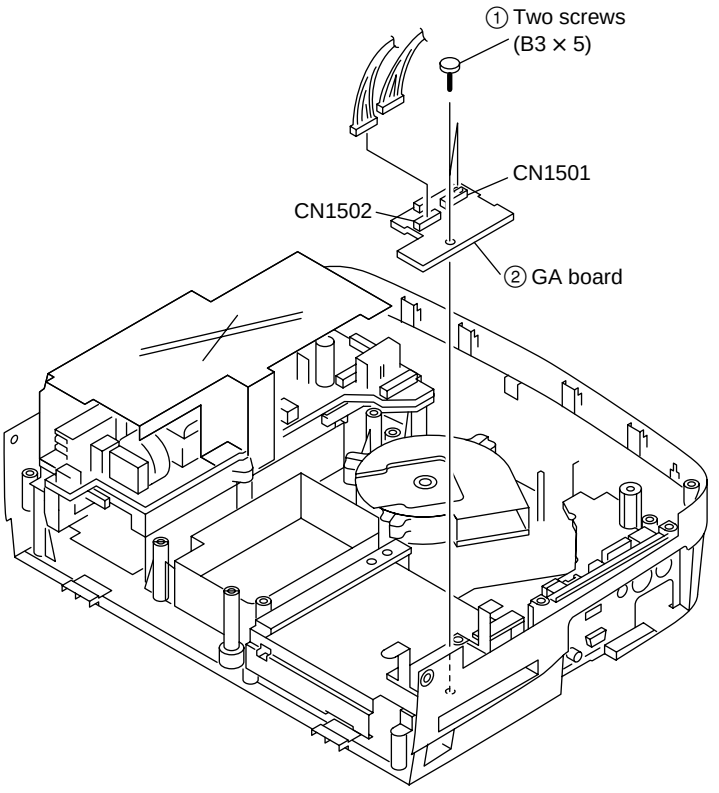
2-2-7. Optics Unit Assembly Removal

* Remove the C board. (Refer to 2-2-4.)



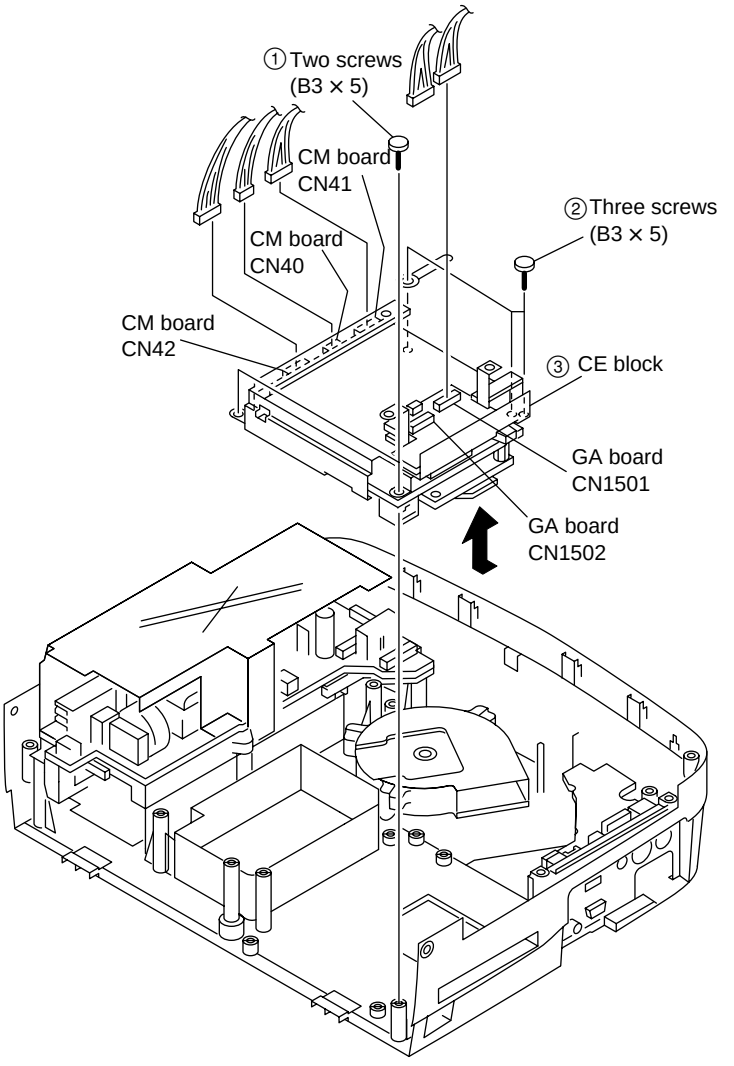
2-2-8. GA Board Removal (VPL-PX15 only)

* Remove the optics unit assembly. (Refer to 2-2-7.)



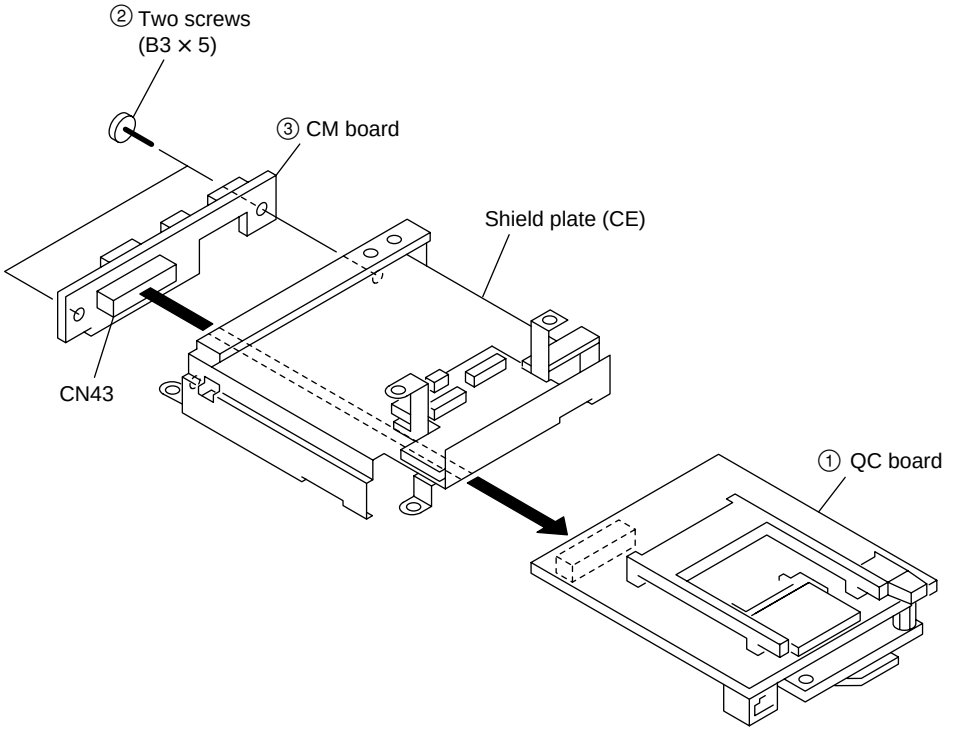
2-2-9. CE block Removal (VPL-PX15 only)

* Remove the optics unit assembly. (Refer to 2-2-7.)



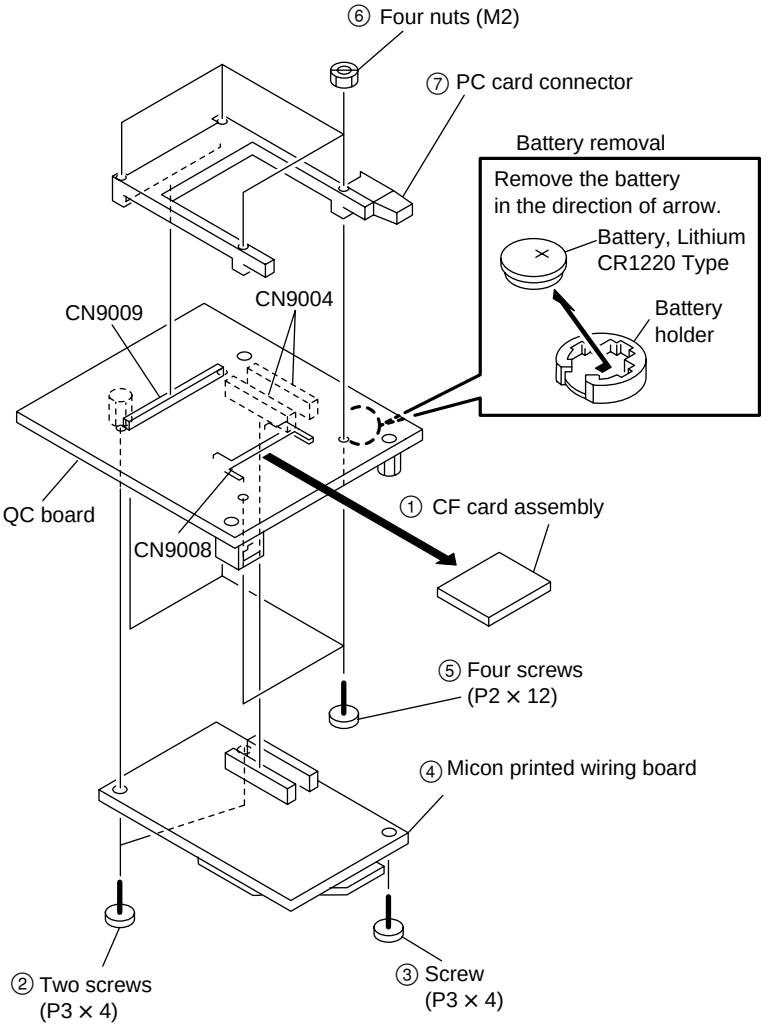
2-2-10. QC and CM Boards Removal (VPL-PX15 only)

* Remove the CE block. (Refer to 2-2-9.)



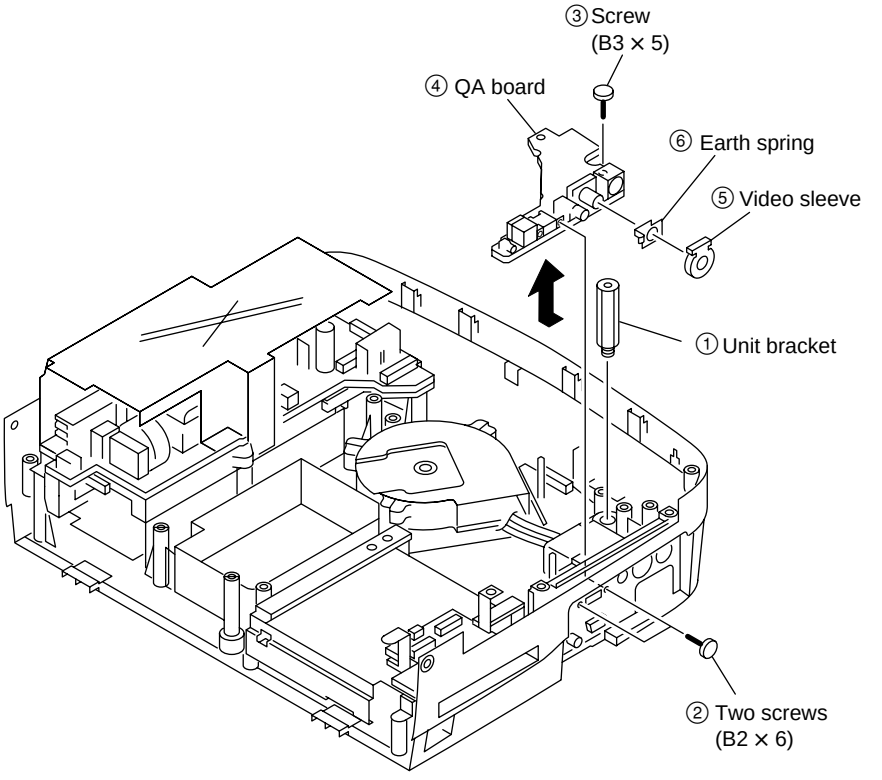
2-2-11. Parts from the QC Board Removal (VPL-PX15 only)

* Remove the QC Board. (Refer to 2-2-10.)



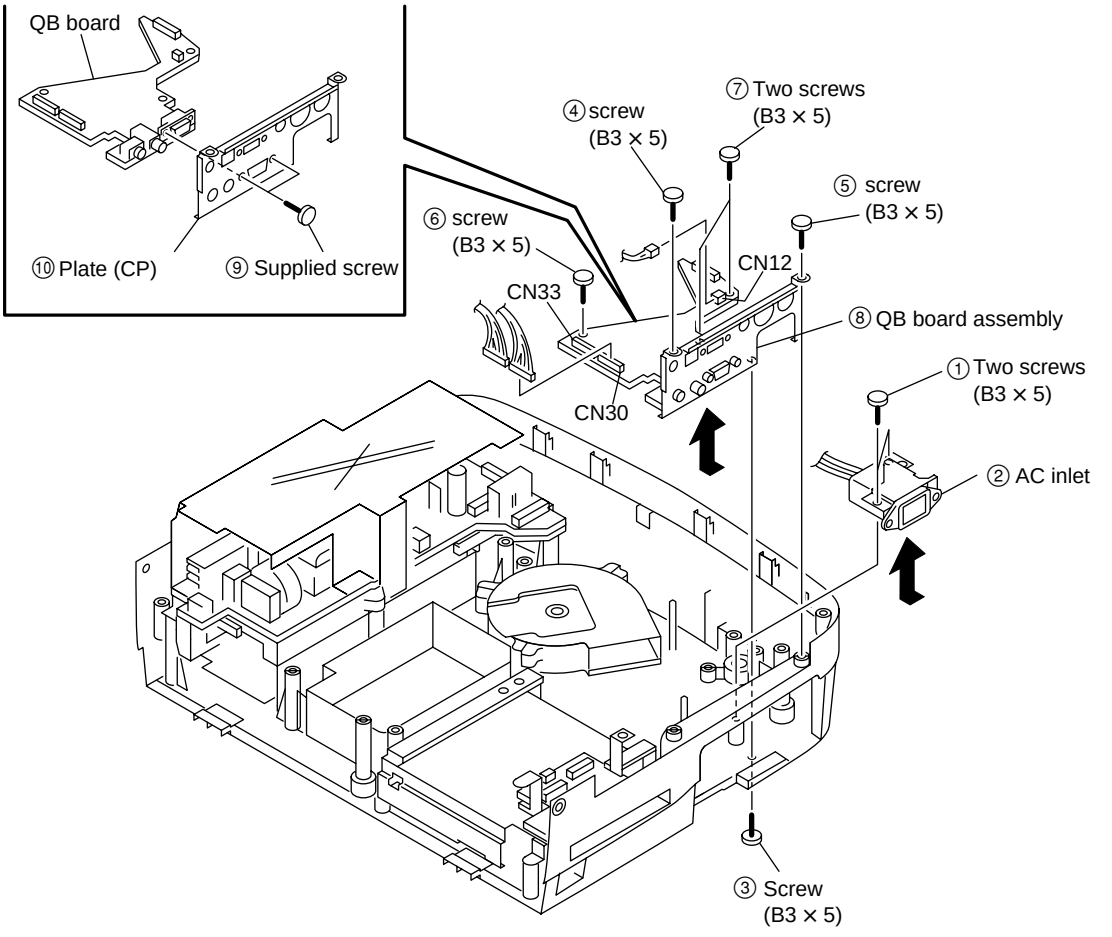
2-2-12. QA Board Removal

* Remove the optics unit assembly. (Refer to 2-2-7.)



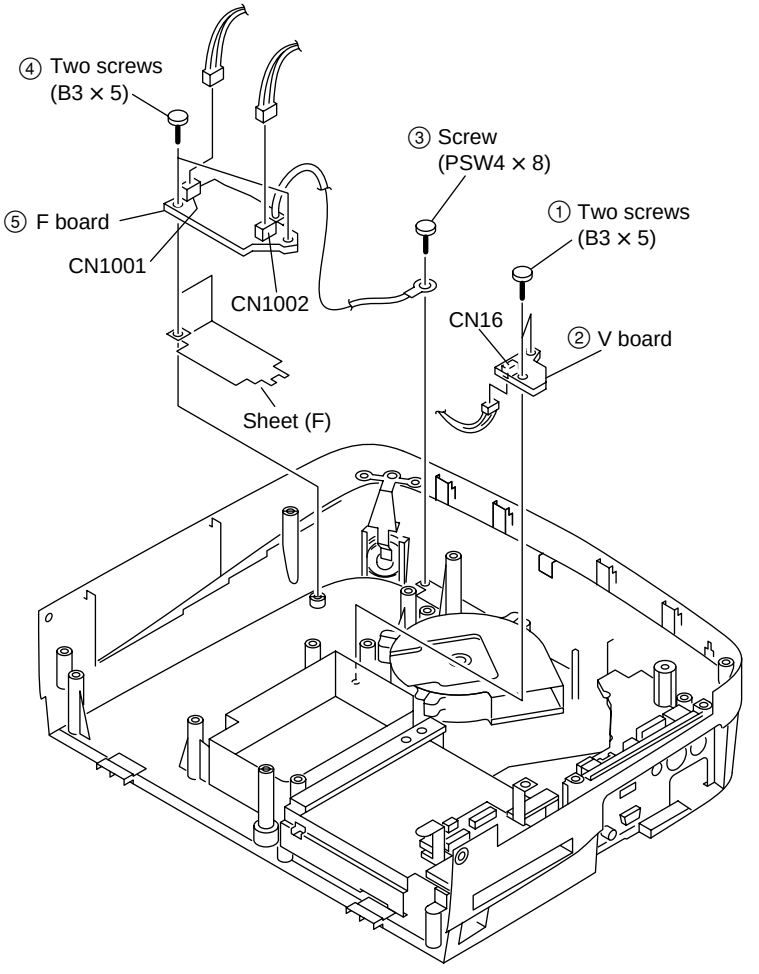
2-2-13. QB Board Removal

* Remove the QA board. (Refer to 2-2-12.)



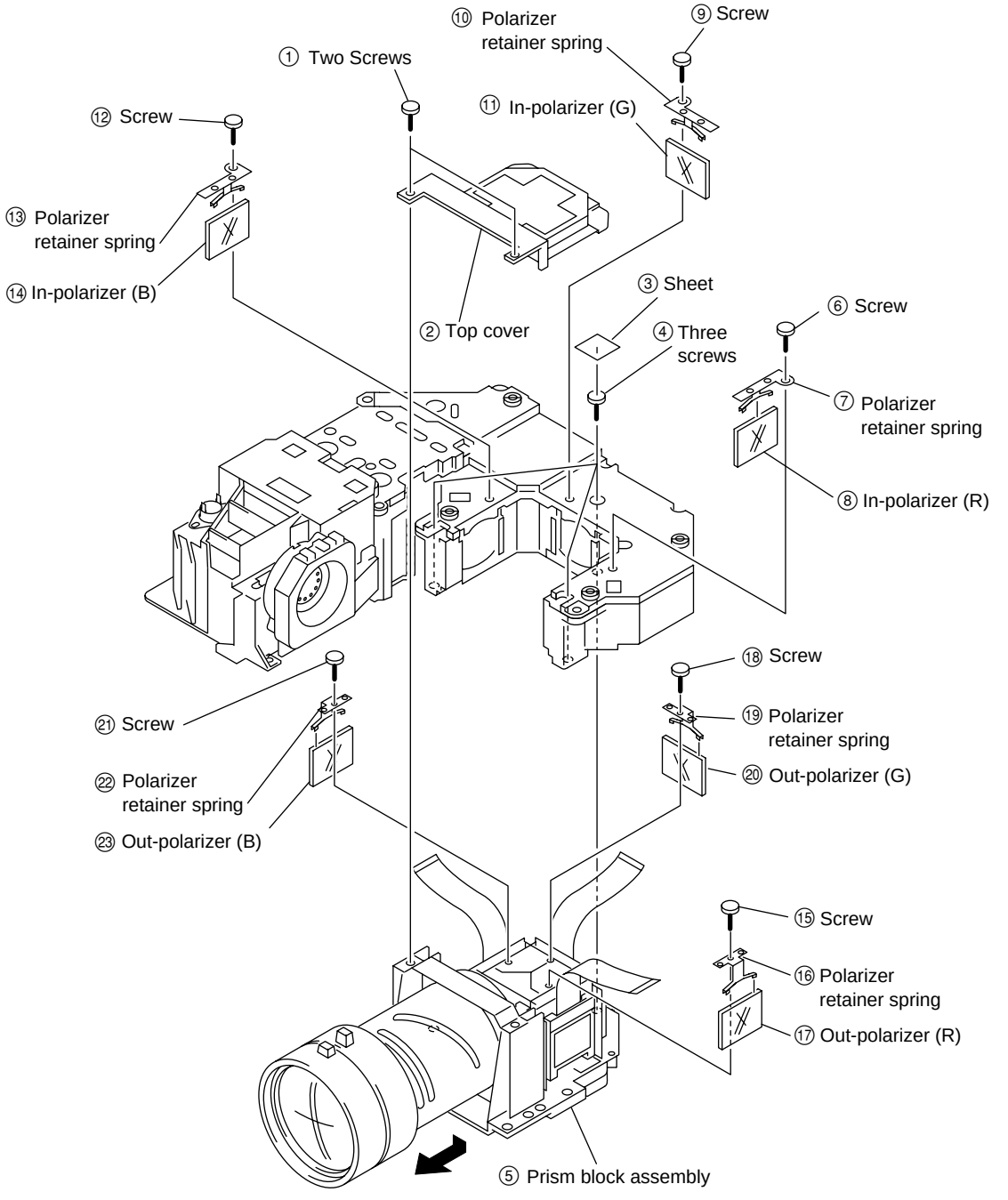
2-2-14. F and V Boards Removal

* Remove the Power Block. (Refer to 2-2-6.)
* Remove the optics unit assembly. (Refer to 2-2-7.)

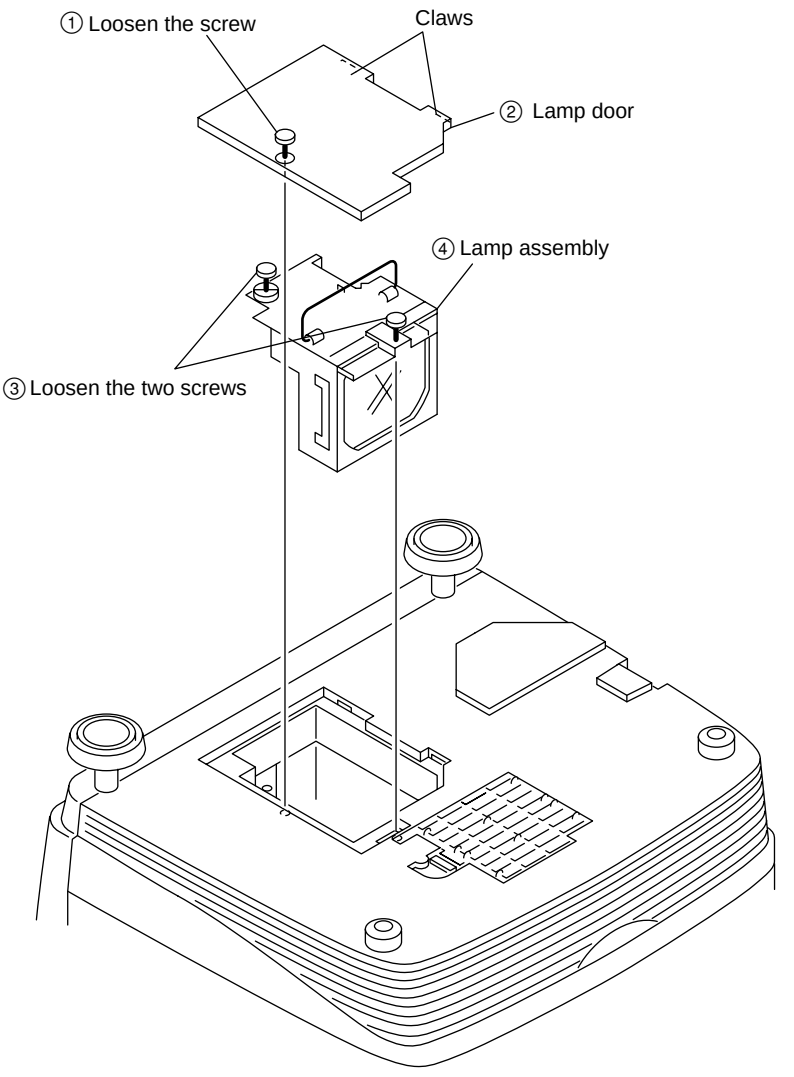


2-2-15. Prism Block Assembly and Polarizer Removal

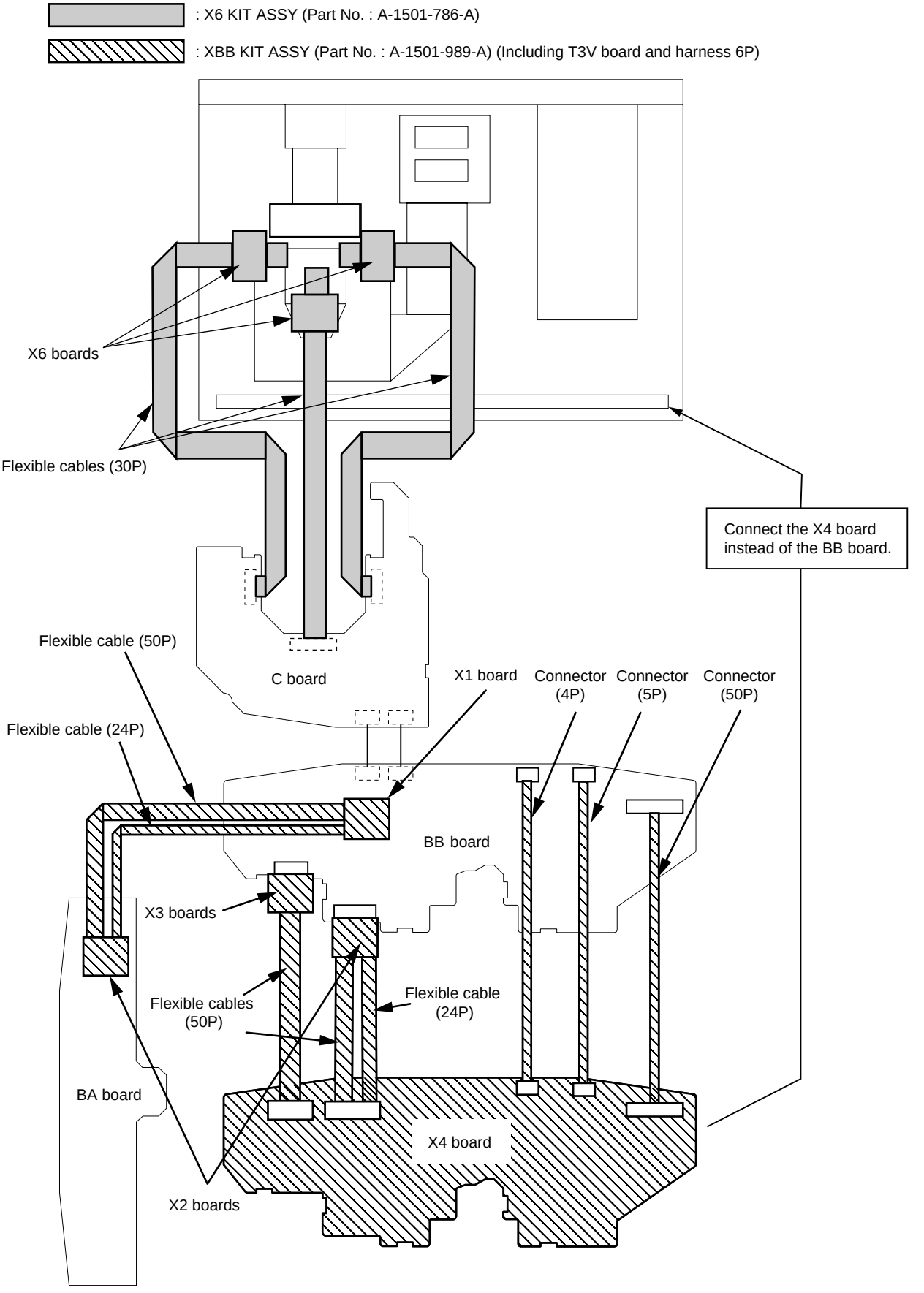
* Remove the optics unit assembly. (Refer to 2-2-7.)



2-2-16. Lamp Assembly Removal



2-2-17. Extension Boards and Extension Cables Connection

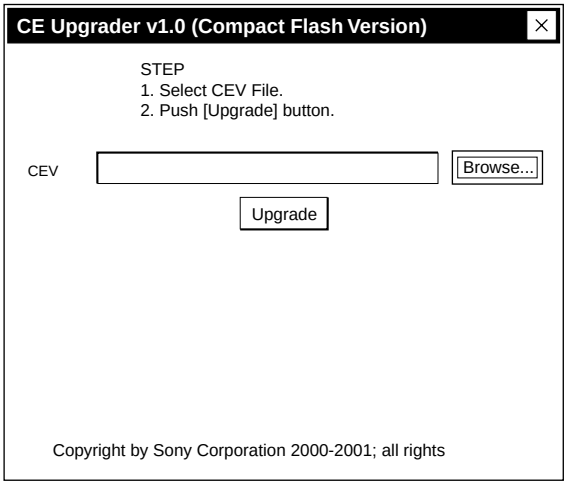


2-2-18. VPL-PX15 Tool for Writing Network Software

There is a tool for upgrading the network software.
Use this tool when upgrading the software in the Windows CE from the PC card slot.
The OC needs the open space of 32 Mbytes.

How to use :

1. Copy this software to the PC card.
2. Extract the software in the PC card.
   (When extracted, a folder containing CEV file and the version upgrade software is created.)
3. Insert the PC card into the projector and start up the projector.
   Select the INPUT channel for network.
4. Double-click myproject/storage card/CeUpGrade.exe.
5. The dialogue shown in the next page appears. Press the Browse button and select the CEV file to be upgraded in the storage card folder.
6. Press the active Upgrade button.
7. The upgrade starts and two progressive bars appr\ear. The upper bar shows a component in progress. And the lower bar shows the entire state in progress.
   When completed, the menu is once reset and returns to the initial menu of the network menu.



8. Turn off the projector and on again or select the Installation Setting in the menu and turn off and on the input B function to start up.

Note

According to the license agreement with Microsoft Co., the use of software downloaded with this software (upgrade tool) is exclusively limited to Sony and Service Station (including Servicing Dealers) with which Sony contracts.

Description

There is a network software upgrade tool “MakeCE.exe”.
This software can be used in cases below.

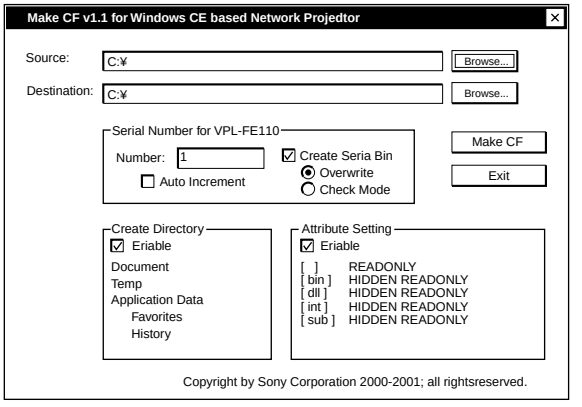
- When replacing the crashed compact flash
- When the file system in the compact flash is destroyed by turning off the power during the application running
  (The symptom : Wherever rebooted, the “Network-projector” always appears in the center of a picture.)
- When writing the software in the compact flash
- When upgrading

With this tool, the software can be written in the compact flash (1-796-014-11) on the QC board.

Environment : Windows98,2000

How to use :

1. Insert the compact flash card into the PC. (If the input slot is not provided, the PC card adapter such as the conversion adapter or the compact flash writer is needed.)
2. Format the compact flash card. (The system is not required.)
3. Extract the network software on the PC.
4. Install MakeCE.exe in the PC and boot it. The dialogue menu shown below appears.
   Choose for the source the folder where the extacted files (Programs folder and NK.bin are stored.) are stored. Choose for the destination the drive in which the compact flash card is inserted.
5. Uncheck the “CreateSerialBin” and check the “Overwrite”.
6. After entered, press the MakeCF button. Then, the copy is started and the message “Again?” appears when finished. To continue copying, press the OK. If desired to finish, press the Cancel.



2-2-19. Power Cord

Use a proper power cord for your local power supply.

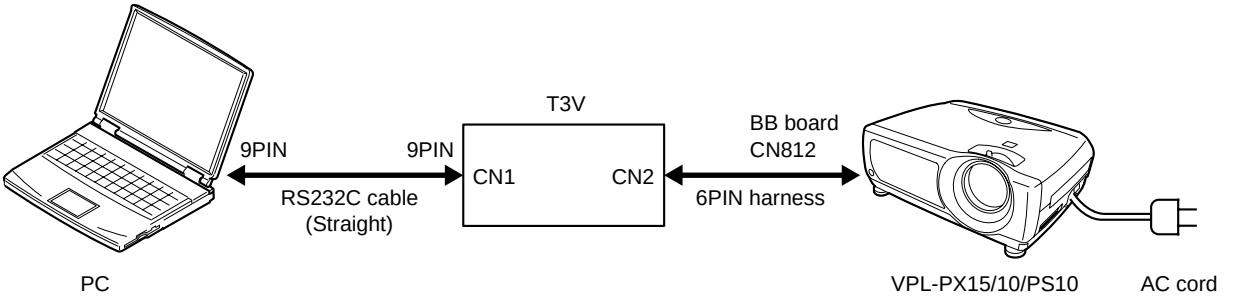
	The United States, Canada		**Continental Europe**		**UK, Ireland, Australia, New Zealand**	**Japan**
Plug type	VM0233	290B	YP-12A	COX-07	—[1)]	YP332
Female end	VM0089	386A	YC-13B	COX-02	VM0310B	YC-13
Cord type	SJT	SJT	H05VV-F	H05VV-F	N13237/CO-228	VCTF
Rated Voltage & Current	10A/125V	10A/125V	10A/250V	10A/250V	10A/250V	7A/125V
Safety approval	UL/CSA	UL/CSA	VDE	VDE	VDE	DENAN

2-2-20. Main Soft and Pixel Works Soft Writing

T3 board and harness 6P in XBB KIT ASSY(A-1501-989-A) are used.

① Connect the personal computer to CN1 on T3V board with RS232C cable (straight) as shown below.
② Connect between CN2 on the T3V board and CN812 on the BB board with the harness 6P.
③ Switch the S901 on the BB board to the IC810 side.
④ Supply the AC power to the set.
⑤ Main soft writing
Use the Hitachi F-ZTAT upgrade for SONY Ver 1.00.
⑥ PIXEL WORKS SOFT WRITING
Use the PIXEL WORKS FLASH upgrade for SONY.

1) Start the writing soft.
2) Select the FILE name.
3) Change NORMAL to PW UPDATE.
4) Supply the AC power to the set. (soft writing start)
5) After writing, turn off the power.



Section 3
Electrical Adjustments

3-1. Preparations

3-1-1. Equipment Required

- Oscilloscope
  Tektronix 2465 or equivalent
  (bandwidth: 350 MHz or more)
- NTSC, PAL, SECAM component signal generator
  Tektronix TG2000 + AVG1 (optional module) + AWVG1 (optional module) or equivalent
- VG (Programmable video signal generator)
  VG814 or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Luminance meter

Note

Perform the following adjustments at least 5 minutes after turning on the power.

3-1-2. How to Enter and Use the Factory Mode

(How to enter)

1. Make sure that the STATUS in the menu is ON.
2. Exit the menu.
3. Press the keys in the following order:
   "ENTER" → "ENTER" → "LEFT" → "ENTER"
4. The message "Do you wish to enter into the FACTORY MODE?" will be displayed.
5. Select YES.

(How to leave)

Turn off the power in the FACTORY MODE.

or

1. Press the keys in the following order:
   "ENTER" → "ENTER" → "LEFT" → "ENTER"
2. The message "Do you wish to return to the USER MODE ?" Yes : ↑ No : ↓ will be displayed.
3. Select Yes.

3-2. V-COM Adjustment

1. Input the green-only 1H inverted signal to INPUT-A.
2. Set the CONTRAST to 50 and BRIGHT to 50.
3. Set the screen to G VCOM adjustment of "Device Adjust."
   Adjust the G VCOM so that the flicker on the screen is the minimum.
4. Input the red-only and blue-only 1H inverted signal respectively and adjust R VCOM and B VCOM respectively so that the flicker becomes minimum.
5. Store the adjustment value in the memory.
6. Select the projection of vertically reversed from the front [CEIL. FRT] using the menu screen.
7. Set the screen to G VCOM adjustment of "Device Adjust."
   Adjust the G VCOM so that the flicker on the screen is the minimum.
8. Input the red-only and blue-only 1H inverted signal respectively and adjust R VCOM and B VCOM respectively so that the flicker becomes minimum.
9. Store the adjustment value in the memory.

3-3. Adjustment Item Initialize Data

VPL-PX10/PX15/PS10

Menu Title	Item Name	Memory Name										Remarks
		SET MEMORY	CH MEMORY				STATUS MEMORY	W/B MEMORY				
			VIDEO	S VIDEO	INPUT A	INPUT B		VIDEO HIGH	VIDEO LOW	RGB HIGH	RGB LOW	
PICTURE CTRL	CONTRAST		80	80	80	80						
	BRIGHT		50	50	50	50						
	COLOR		50	50	50	–						
	HUE		50	50	50	–						
	SHARP		50	50	50	–						
	RGB ENHANCER		–	–	30	30						
	D.PICTURE		OFF	OFF	OFF	OFF						
	GAMMA MODE		–	–	GRAPHICS	GRAPHICS						
	COLOR TEMP		LOW	LOW	HIGH	HIGH						
	COLOR SYS		AUTO	AUTO	AUTO	AUTO						
	VOLUE		50	50	50	50						
INPUT SETTING	DOT PHASE						15 (*)					
	SIZE H						*					
	SHIFT						*					
	SCAN CONV						ON (*)					
	ASPECT						4 : 3 (*)					
	BLANKING						0 (*)					
SET SETTING	STATUS	ON										
	INPUT-A	COMPUTER										
	AUTO INPUT SEL	OFF										
	LANGUAGE	ENGLISH										
	POWER SAVING	OFF										
	IR RECEIVER	FRONT&REAR										
INSTALL SETTING	KEYSTONE MEM.	ON										
	DIGIT KEYSTONE	0										
	INSTALLATION	FLOOR-FRONT										
	MENU POSITION	CENTER										
	MENU COLOR	STANDARD										
	INPUT-B FUNC.	ON										
	LAMP TIMER	INDICATION ONLY										
INFORMATION	fH	INDICATION ONLY										
	fV	INDICATION ONLY										
	ROM Ver	INDICATION ONLY										
	OPERATION TIMER	INDICATION ONLY										
	PREVIOUS LAMP TIMER	INDICATION ONLY										

VPL-PX10/PX15/PS10

Menu Title	Item Name	Memory Name										Remarks
		SET MEMORY	CH MEMORY				STATUS MEMORY	W/B MEMORY				
			VIDEO	S VIDEO	INPUT-A	INPUT B		VIDEO HIGH	VIDEO LOW	RGB HIGH	RGB LOW	
W/B ADJUST	GAIN R							170	175	170	175	
	G							170	165	170	165	
	B							170	160	170	160	
	BIAS R							80	80	80	80	
	G							80	80	80	80	
	B							80	80	80	80	

∗ : DOT PHASE, SIZE H, SHIFT H/V, SCAN CONV, ASPECT and BLANKING in the “INPUT SETTING” menu have an initial value respectively in accordance with the input signal (PRESET MEMORY No.).

Note

There are nonadjustable items in accordance with the input signal.

Device Name	Item Name	Memory Name										Remarks
		SET MEMORY	CHROMA MEMORY							INSTALL MEMORY		
			NT358/ NT443/ BW60	Pal/Pal-M/ NSecam/ BW50	15k RGB	Component (15k)	Double-speed component	HDTV (YPbPr)	HDTV(GBR) includ. double-speed	Up/Down inversion possible	Up/Down inversion not possible	
RGB MTRX/	CONTRAST	12										
	R DRIVE		9	9	9	9	9	9	9			Fixed Value
	G DRIVE		9	9	9	9	9	9	9			Fixed Value
	B DRIVE		9	9	9	9	9	9	9			Fixed Value
	SUB BRT	54										
	YUV CON		7	8	11	11	11	11	11			
	YUV COL		10	10	12	12	12	12	12			
	SUB HUE		5	7	7	7	7	7	7			
	CTI LVL		2	2	1	1	1	1	1			Fixed Value
	R-Y/R		11	11	10	10	13	13	13			Fixed Value
	R-Y/B		14	14	14	14	15	15	15			Fixed Value
	G-Y/R		7	6	5	5	8	8	8			Fixed Value
	G-Y/B		5	5	4	4	4	4	4			Fixed Value
	SUB SHP		1	1	3	3	3	3	3			Fixed Value
	SHPF0		1	1	1	1	1	1	1			Fixed Value
	PRE OVER		0	0	0	0	0	0	0			Fixed Value
	LTI LVL		1	1	1	1	0	0	0			Fixed Value
	DMIC PIC	3										Fixed Value
D.COM/	VENH	5										Fixed Value
CHROMA/	SHP GAIN		11	11	8	8	8	8	8			Fixed Value
	SHP EQ		0	0	0	0	0	0	0			Fixed Value
	SHP F0		2	2	2	2	2	2	2			Fixed Value
	Y-OUT LVL	16										
	C-OUT LVL	8										
	Y-DL	5										Fixed Value
	S B-Y ADJ	7										Fixed Value
	S R-Y ADJ	7										Fixed Value
	S-INHBT	0										Fixed Value
	S-ID	0										Fixed Value
	S GP	0										Fixed Value
	S V-ID	0										Fixed Value
	BELL F0	0										Fixed Value
	HPF	0										Fixed Value

Device Name	Item Name	Memory Name										Remarks
		SET MEMORY	CHROMA MEMORY							INSTALL MEMORY		
			NT358/ NT443/ BW60	Pal/Pal-M/ NSecam/ BW50	15k RGB	Component (15k)	Double-speed Component	HDTV (YPbPr)	HDTV(GBR) includ. double-speed	Up/Down inversion possible	Up/Down inversion not possible	
P.DRV/	OFFSET R (E)									155	155	Fixed Value
	OFFSET (GE)									155	155	Fixed Value
	OFFSET B (E)									155	155	Fixed Value
	VCOM R									168	168	
	VCOM G									168	168	
	VCOM B									168	168	
	SID (G)	165										
	SIG CEN	100										Fixed Value
	OFFSET R O									127	127	
	OFFSET G O									127	127	
	OFFSET B O									127	127	
	SID R	128										
	SID B	128										
	VREF R (E)									128	128	
	VREF (GE)									128	128	
	VREF B (E)									128	128	
	CALIB	138										Fixed Value
	INV CONT	0										Fixed Value
	SID LVL	206										Fixed Value
	PRG LVL	86										Fixed Value
SH/	SH1	4										Fixed Value
	SH2 R	120										Fixed Value
	SH2 (G)	120										Fixed Value
	SH2 B	160										Fixed Value
VAMP/	CONT (E)	168										Fixed Value
	SUB CON R (E)									128	128	
	SUB CON G (E)									128	128	
	SUB CON B (E)									128	128	
	BRT (E)	150										Fixed Value
3D GAMMA/	SUB CONT	0										Fixed Value
	SUB BRT	0										Fixed Value
	R OSD LVL	31										Fixed Value
	G OSD LVL	31										Fixed Value
	B OSD LVL	31										Fixed Value
	THROUGH	0										Fixed Value
	SW	1										Fixed Value
	APC THRES	25										Fixed Value
	APC LIMIT	32										Fixed Value

VPL-PX10/PX15

Device Name	Item Name	Memory Name										Remarks
		SET MEMORY	CHROMA MEMORY							INSTALL MEMORY		
			NT358/ NT443/ BW60	Pal/Pal-M/ NSecam/ BW50	15k RGB	Component (15k)	Double-speed Component	HDTV (YPbPr)	HDTV(GBR) includ. double-speed	Up/Down inversion possible	Up/Down inversion not possible	
OTHER/	V START	22										Fixed Value
	H START	144										Fixed Value
	H POSITION	39										Fixed Value
	TEMP LAMP	Non Adjustable										Fixed Value
	TEMP PANEL	Non Adjustable										Fixed Value
	LAMP FAN 1	Non Adjustable										Fixed Value
	PANEL FAN 1	Non Adjustable										Fixed Value
	LAMP FAN 2	Non Adjustable										Fixed Value
	PANEL FAN 2	Non Adjustable										Fixed Value
	SYNCHRONOUS	1										Fixed Value
GAMMA		Factory adjustment value										

Note

There are nonadjustable items in accordance with the input signal.

VPL-PS10

Device Name	Item Name	Memory Name										Remarks
		SET MEMORY	CHROMA MEMORY							INSTALL MEMORY		
			NT358/ NT443/ BW60	Pal/Pal-M/ NSecam/ BW50	15k RGB	Component (15k)	Double-speed component	HDTV (YPbPr)	HDTV(GBR) includ. double-speed	Up/Down inversion possible	Up/Down inversion not possible	
RGB MTRX/	CONTRAST	12										
	R DRIVE		9	9	9	9	9	9	9			Fixed Value
	G DRIVE		9	9	9	9	9	9	9			Fixed Value
	B DRIVE		9	9	9	9	9	9	9			Fixed Value
	SUB BRT	54										
	YUV CON		7	8	11	11	11	11	11			
	YUV COL		10	10	12	12	12	12	12			
	SUB HUE		5	7	7	7	7	7	7			
	CTI LVL		2	2	1	1	1	1	1			Fixed Value
	R-Y/R		11	11	10	10	13	13	13			Fixed Value
	R-Y/B		14	14	14	14	15	15	15			Fixed Value
	G-Y/R		7	6	5	5	8	8	8			Fixed Value
	G-Y/B		5	5	4	4	4	4	4			Fixed Value
	SUB SHP		1	1	3	3	3	3	3			Fixed Value
	SHPF0		1	1	1	1	1	1	1			Fixed Value
	PRE OVER		0	0	0	0	0	0	0			Fixed Value
	LTI LVL		1	1	1	1	0	0	0			Fixed Value
	DMIC PIC	3										Fixed Value
D.COM/	VENH	5										Fixed Value
CHROMA/	SHP GAIN		11	11	8	8	8	8	8			Fixed Value
	SHP EQ		0	0	0	0	0	0	0			Fixed Value
	SHP F0		2	2	2	2	2	2	2			Fixed Value
	Y-OUT LVL	16										
	C-OUT LVL	8										
	Y-DL	5										Fixed Value
	S B-Y ADJ	7										Fixed Value
	S R-Y ADJ	7										Fixed Value
	S-INHBT	0										Fixed Value
	S-ID	0										Fixed Value
	S GP	0										Fixed Value
	S V-ID	0										Fixed Value
	BELL F0	0										Fixed Value
	HPF	0										Fixed Value

VPL-PS10

Device Name	Item Name	Memory Name										Remarks
		SET MEMORY	CHROMA MEMORY							INSTALL MEMORY		
			NT358/ NT443/ BW60	Pal/Pal-M/ NSecam/ BW50	15k RGB	Component (15k)	Double-speed Component	HDTV (YPbPr)	HDTV(GBR) includ. double-speed	Up/Down inversion possible	Up/Down inversion not possible	
P.DRV/	OFFSET R(E)									155	155	Fixed Value
	OFFSET (GE)									155	155	Fixed Value
	OFFSET B(E)									155	155	Fixed Value
	VCOM R									80	80	
	VCOM G									80	80	
	VCOM B									80	80	
	SID (G)	80										
	SIG CEN	100										Fixed Value
	OFFSET R O									128	128	
	OFFSET G O									128	128	
	OFFSET B O									128	128	
	SID R	128										
	SID B	128										
	VREF R(E)									106	106	
	VREF (GE)									106	106	
	VREF B(E)									106	106	
	CALIB	138										Fixed Value
	INV CONT	0										Fixed Value
	SID LVL	67										Fixed Value
	PRG LVL	168										Fixed Value
SH/	SH1	3										Fixed Value
	SH2 R	170										Fixed Value
	SH2(G)	170										Fixed Value
	SH2 B	170										Fixed Value
VAMP/	CONT(E)	168										Fixed Value
	SUB CON R(E)									128	128	
	SUB CON G(E)									128	128	
	SUB CON B(E)									128	128	
	BRT(E)	150										Fixed Value
3D	SUB CONT	0										Fixed Value
GAMMA/	SUB BRT	0										Fixed Value
	R OSD LVL	31										Fixed Value
	G OSD LVL	31										Fixed Value
	B OSD LVL	31										Fixed Value
	THROUGH	0										Fixed Value
	SW	1										Fixed Value
	APC THRES	25										Fixed Value
	APC LIMIT	32										Fixed Value

VPL-PS10

Device Name	Item Name	Memory Name										Remarks
		SET MEMORY	CHROMA MEMORY							INSTALL MEMORY		
			NT358/ NT443/ BW60	Pal/Pal-M/ NSecam/ BW50	15k RGB	Component (15k)	Double-speed Component	HDTV (YPbPr)	HDTV(GBR) includ. double-speed	Up/Down inversion possible	Up/Down inversion not possible	
OTHER/	V START	22										Fixed Value
	H START	105										Fixed Value
	H POSITION	21										Fixed Value
	TEMP LAMP	Non Adjustable										Fixed Value
	TEMP PANEL	Non Adjustable										Fixed Value
	LAMP FAN 1	Non Adjustable										Fixed Value
	PANEL FAN 1	Non Adjustable										Fixed Value
	LAMP FAN 2	Non Adjustable										Fixed Value
	PANEL FAN 2	Non Adjustable										Fixed Value
	SYNCHRONOUS	1										Fixed Value
GAMMA		Factory adjustment value										

Note

There are nonadjustable items in accordance with the input signal.

3-4. Service Kowhow

3-4-1. After Replacing the Prism Block

1. Perform Section “3-2. V-COM Adjustment.”
2. Perform Section “3-5. White Balance Adjustment on Servicing.”

3-4-2. After Replacing the Board

- Refer to the cross table below.
- There are no need to perform the adjustment when the board other than the BB board or C board had been replaced.

3-4-2-1. When Replacing the BB Board

When the data before replacement can be read properly

1. Make a not of the data before replacement. After replacement, write the data into the new board with service mode.
2. If the white balance is extremely deteriorated, perform the white balance adjustment (Refer to Section 3-5.).

When the data before replacement cannot be read

1. Perform Section “3-2. V-COM Adjustment.”
2. Perform Section “3-5. White Balance Adjustment on Servicing.”

3-4-2-2. When Replacing the C Board

1. Perform Section “3-2. V-COM Adjustment.”
2. Perform Section “3-5. White Balance Adjustment on Servicing.”

3-4-2-3. When Replacing the Other Board

There are no need to perform the adjustment.

Cross Table of Board Replacement

Device Name	Item Name	Board Name	
		BB	C
P.DRV	VCOM (R)	✻	O
	VCOM (G)	✻	O
	VCOM (B)	✻	O
	CONT	✻	95,100 IRE
	SUB CONT R	✻	95,100 IRE
	SUB CONT G	✻	95,100 IRE
	SUB CONT B	✻	95,100 IRE
	BRT	✻	2.8 V
W/B ADJUST			
INPUT A-HIGH	GAIN R	✻	No
	GAIN G	✻	No
	GAIN B	✻	No
	BIAS R	✻	No
	BIAS G	✻	No
	BIAS B	✻	No
INPUT A-LOW	GAIN R	✻	O
	GAIN G	✻	O
	GAIN B	✻	O
	BIAS R	✻	O
	BIAS G	✻	O
	BIAS B	✻	O
VIDEO-HIGH	GAIN R	✻	No
	GAIN G	✻	No
	GAIN B	✻	No
	BIAS R	✻	No
	BIAS G	✻	No
	BIAS B	✻	No
VIDEO-LOW	GAIN R	✻	O
	GAIN G	✻	O
	GAIN B	✻	O
	BIAS R	✻	O
	BIAS G	✻	O
	BIAS B	✻	O

✻ : When down the data befor replacement, and then write in the data after the board replacement.

O : Need adjustment

Value: See description.

3-5. White Balance Adjustment

3-5-1. Signal Level Adjustment

1. Warm up the unit at least 10 minutes.
2. Connect the 2-step signal that consists of 95 IRE and 100 IRE amplitude, to the INPUT-A connector.
   Then enter the Service mode.
   Press the keys in the following order.
   "ENTER"→"ENTER"→"↑"→"↓"→"ENTER"
   The message "Do you wish to enter into the SERVICE MODE? Yes : ↑ No : ↓ "will be displayed.
   Select "Yes : ↑".
   Note
   When leaving the SERVICE MODE, perform the key operations of item 2, "Do you wish to return to the USER MODE? Yes : ↑ No : ↓ "will be displayed.
   Select "Yes : ↑".
3. Set the unit in G-only mode.
4. Enter the P.DRV on the MENU screen by the DEV. ADJ.
5. Discriminate the 95 IRE and 100 IRE by the V-AMP/ CONT controls of the P.DRV.
6. Set the unit in R-only mode.
7. Discriminate the 95 IRE and 100 IRE by the V-AMP/ SUB CONT R controls of the P.DRV.
8. Set the unit in B-only mode.
9. Discriminate the 95 IRE and 100 IRE by the V-AMP/ SUB CONT B controls of the P.DRV.

3-5-2. White Balance Adjustment

3-5-2-1. HIGH Mode of INPUT-A

Input the 10 STEP signal to INPUT-A, and observe the chromaticity of each luminance.
When varying the chromaticity of each luminance, perform the following adjustments.

1. Input the 100 IRE FLAT FIELD signal to INPUT-A.
2. Measure the chromaticity (x, y).
3. Input the 50 IRE FLAT FIELD signal to INPUT-A.
4. Adjust the chromaticity (x, y) to the values measured in step 2 by the V-AMP/SUB CONT R and B of the P. DRV.

3-5-2-2. LOW Mode of INPUT-A

1. Input the 50 IRE FLAT FIELD signal to INPUT-A.
2. Select BIAS 123 using the LOW mode of W/B.
3. Adjust GAIN G so that chromacity becomes 0.322 ± 0.003.

3-5-2-3. LOW Mode of VIDEO

1. Input the 50 IRE 15k COMPONENT FLAT FIELD signal to INPUT-A.
2. Select BIAS 123 using the LOW mode of W/B.
3. Adjust GAIN G so that chromacity becomes 0.322 ± 0.003.

3-6. Memory

Memory structure of PX10 and PS10 consists of the following memory blocks.

1. Set memory
2. Status memory
3. Channel memory
4. Chroma memory
5. W/B memory
6. Installation memory

CPU internal ROM : 256 Kbyte Flash Memory
CPU internal RAM : 16 Kbyte
External NVM memory : 8 Kbyte EEPROM

The gamma mode function is realized adding offset to the Contrast output value and the Brightness output value to the devices. The conventional gamma memory is not used in this machine.

Outline of the data flow is described as follows. When the AC power plug is inserted to the wall outlet (Standby state), all of the data stored in the internal ROM are written into the NVM (non-volatile memory). When the POWER switch is turned on afterward, all the data such as status memory data and others that are required for the present video image are selected from each memory block and are expanded in the internal RAM.
When any adjustment is executed, the result adjustment data are saved automatically (when the adjustment is made on the User mode item) or saved as triggered by the memory operation (when the adjustment is made on the Service/Factory mode item) in the NVM.

Note that the data of the adjustment items (W/B and device adjust) that can be adjusted by the Service mode or Factory mode, are saved in the NVM after the memory operation is performed upon completion of the adjustment by user. Note that the default factory adjustment data are lost at this moment.

Set Memory		
Status Memory	No.01	
	No.02	
	INPUT-A Preset	No.03
		No.04
		No.05
		...
		No.50

Set Memory		
Status Memory	No.01	
	No.02	
	INPUT-A Preset	No.03
		No.04
		No.05
		...
		No.50
	INPUT-A User	No.71
		...
		No.90

Set Memory

Channel Memory	
	Video
	S Video
	Input-A

Channel Memory	
	Video
	S Video
	Input-A

Chroma Memory	
	NT358/443/BW60
	PAL/PAL-M/N/ SECAM/BW50
	15k RGB
	15k Component

Chroma Memory	
	NT358/443/BW60
	PAL/PAL-M/N/ SECAM/BW50
	15k RGB
	15k Component

Chroma Memory

W/B Memory		
	Computer	HIGH
		LOW
	Others	HIGH
		LOW

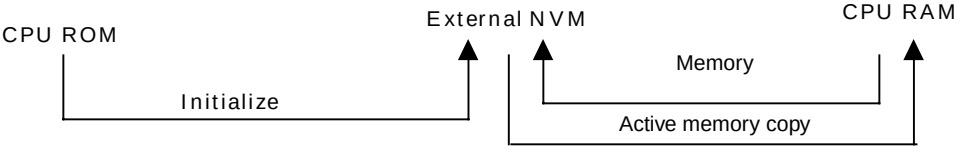
W/B Memory		
	Computer	HIGH
		LOW
	Others	HIGH
		LOW

W/B Memory	
	HIGH
	LOW

Installation Memory	
	Up/Down inversion not possible
	Up/Down inversion possible

Installation Memory	
	Up/Down inversion not possible
	Up/Down inversion possible

Installation Memory



Memory structure of PX15 consists of the following memory blocks.

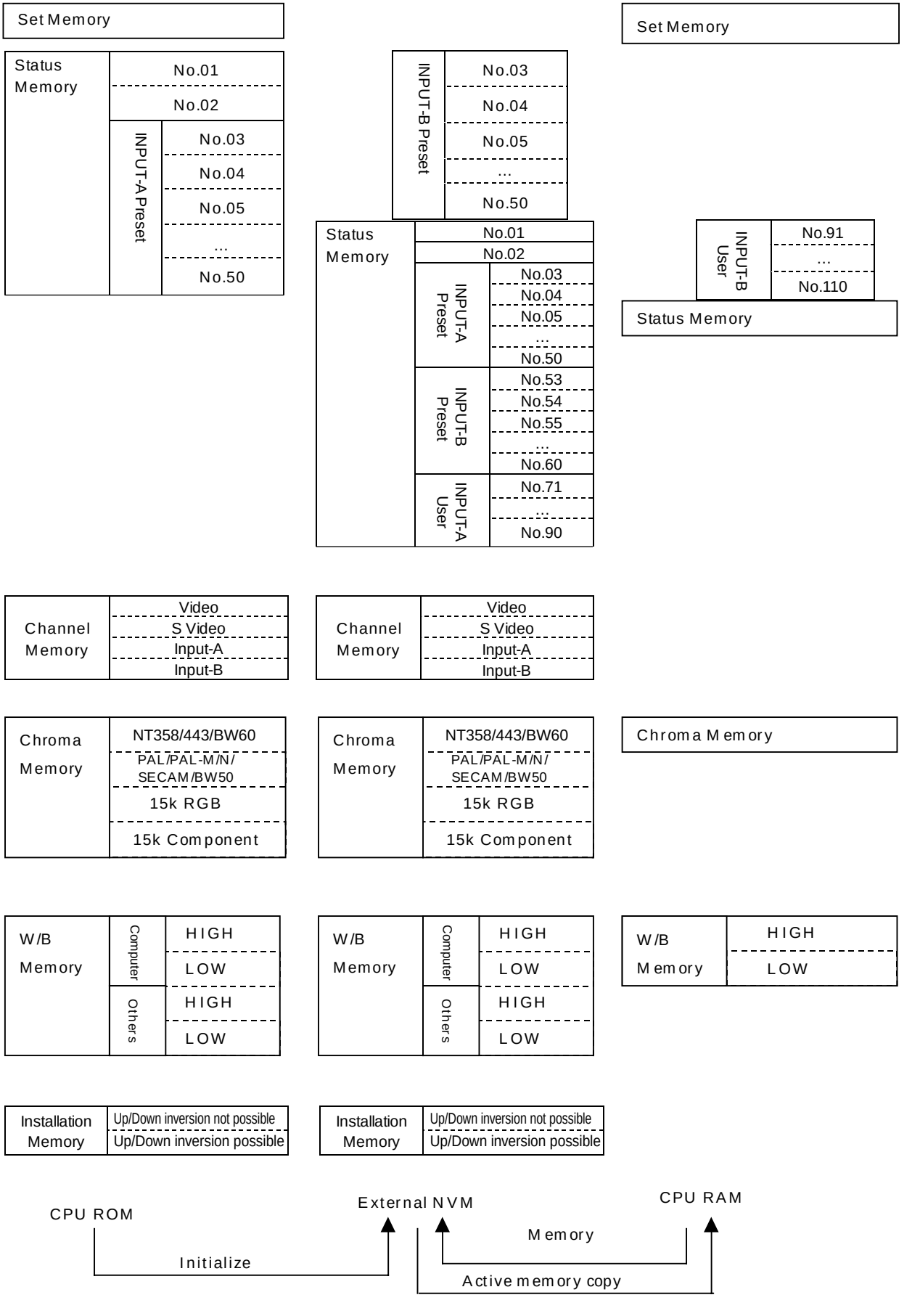
1. Set memory
2. Status memory
3. Channel memory
4. Chroma memory
5. W/B memory
6. Installation memory

CPU internal ROM : 256 Kbyte Flash Memory
CPU internal RAM : 16 Kbyte
External NVM memory : 8 Kbyte EEPROM

The gamma mode function is realized adding offset to the Contrast output value and the Brightness output value to the devices. The conventional gamma memory is not used in this machine.

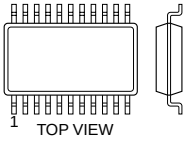
Outline of the data flow is described as follows. When the AC power plug is inserted to the wall outlet (Standby state), all of the data stored in the internal ROM are written into the NVM (non-volatile memory). When the POWER switch is turned on afterward, all the data such as status memory data and others that are required for the present video image are selected from each memory block and are expanded in the internal RAM.
When any adjustment is executed, the result adjustment data are saved automatically (when the adjustment is made on the User mode item) or saved as triggered by the memory operation (when the adjustment is made on the Service/Factory mode item) in the NVM.

Note that the data of the adjustment items (W/B and device adjust) that can be adjusted by the Service mode or Factory mode, are saved in the NVM after the memory operation is performed upon completion of the adjustment by user.
Note that the default factory adjustment data are lost at this moment.


Set Memory
Status Memory
No.01
No.02
INPUT-A Preset
No.03
No.04
No.05
...
No.50
Channel Memory
Video
S Video
Input-A
Input-B
Chroma Memory
NT358/443/BW60
PAL/PAL-M/N/ SECAM/BW50
15k RGB
15k Component
W/B Memory
Computer
Others
HIGH
LOW
Installation Memory
Up/Down inversion not possible
Up/Down inversion possible
Set Memory
INPUT-B Preset
No.03
No.04
No.05
...
No.50
Status Memory
No.01
No.02
INPUT-A Preset
No.03
No.04
No.05
...
No.50
INPUT-B Preset
No.53
No.54
No.55
...
No.60
INPUT-A User
No.71
...
No.90
Channel Memory
Video
S Video
Input-A
Input-B
Chroma Memory
NT358/443/BW60
PAL/PAL-M/N/ SECAM/BW50
15k RGB
15k Component
W/B Memory
Computer
Others
HIGH
LOW
Installation Memory
Up/Down inversion not possible
Up/Down inversion possible
Set Memory
INPUT-B User
No.91
...
No.110
Status Memory
W/B Memory
HIGH
LOW
CPU ROM
External NVM
CPU RAM
Initialize
Memory
Active memory copy

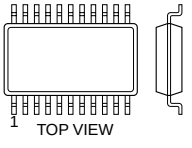
Section 4
Semiconductors

24LC21AT/SN
AT93C46-10SC-2.7-TP
LM3526MX-H
LT1374IS8
M24C64-WMN6T(A)
MAX1626ESA-TE2
MAX890LESA-TG068
MB3771PF
NJM062M
NJM2073M(TE2)
ST24FC21M6TR
TA75W393FU
TA75W393FU-TE12R
TC4W53FU
TC4W53FU(TE12R)
TC7W08FU(TE12R)
TC7W126FU(TE12R)
TC7W14FU(TE12R)
TC7W32FU
TC7W32FU(TE12R)
TC7W74FU
TC7W74FU(TE12R)
TC7WH04FU(TE12R)
TC7WH123FU(TE12R)
TC7WH74FU(TE12R)
TL431BCDR2
uPC358G2-E2



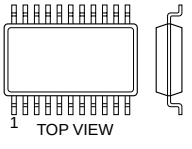
8pin SOP

74VHC00MTCX
74VHC02MTCX
74VHC125MTCX
74VHCT04MTCX
TC74LCX125FT(EL)
TC74VHCT14AFT(EL)
TLC339CPW-E05



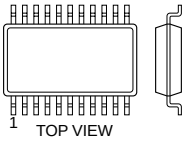
14pin SOP

74VHC123AMTCX
CXA1875AM
CXA1875AM-T4
PC74HC123D-T



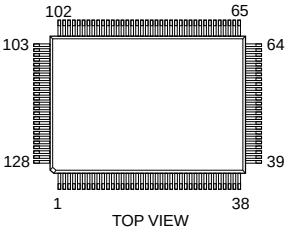
16pin SOP

74VHC240MTCX
CXA1846BN-T4
M52347FP-TE
MK1714-01RT
TC74VHCT244AFT(EL)
TC74VHCT541AFT(EL)

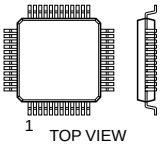


20pin SOP

AD9884AKS-140

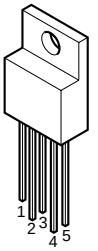


ADV7123KST140
CXA2123AQ-T6
CXD2064Q(T6)
CXD2064Q-T6
ET1030F0A
LE01030F0A

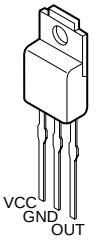


48pin QFP

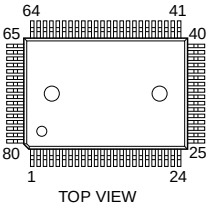
BA00AST
BA00AST-V5



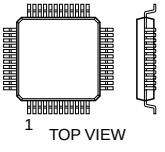
BA033FP
BA033FP-E2
BA05FP-E2
BA12FP-E2



CXA2101AQ-TL

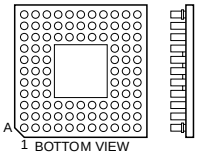


CXA3512R-T6



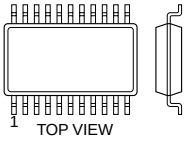
64pin QFP

CXD9607GB



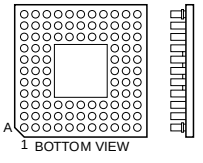
144pin PGA

DS90C385MTDX



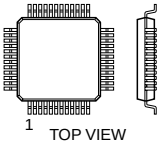
56pin SOP

GD82559ER



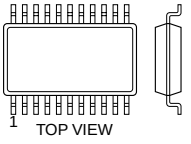
196pin PGA

HD64F2633TE



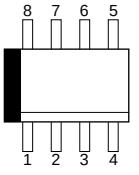
120pin QFP

IDT71V016S15PH-TL

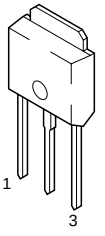


44pin SOP

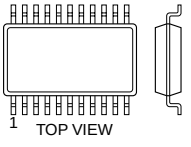
IRMF2-A0T-OTP
SN-IRMF2-A0T-OTP



L88M05T-FA-TL

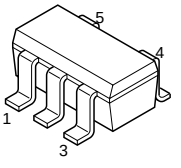


LM4041DIM3-1.2(T&R)
MCZ3001D

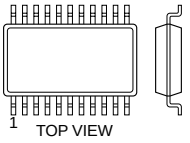


40pin SOP

LP2985IM5X-3.3
TC7SET32FU(TE85R)

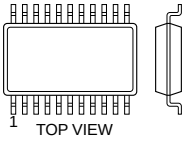


M52749FP-TP



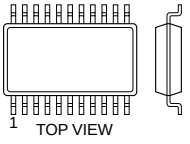
42pin SOP

M52758FP



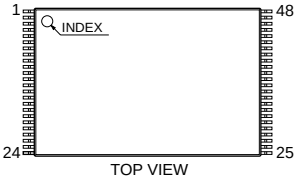
36pin SOP

M62392FP

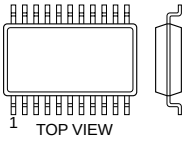


24pin SOP

MBM29LV800TA-70PFTN-SX1718

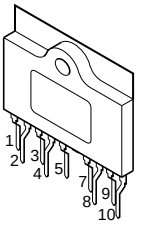


MIC2563A-1BSM-T&R

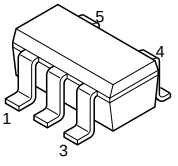


28pin SOP

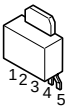
MZ1540



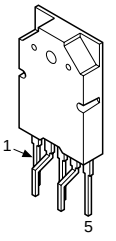
NNCD6.2MG-T2



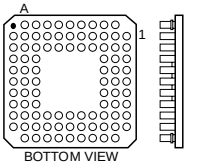
PQ20VZ1U



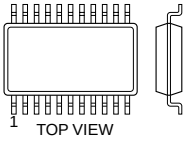
PQ2TZ15U



R5C478II-BGA261A

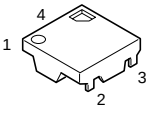


RCV4-A1T-MASK-25
ST72T631K4M1-XX

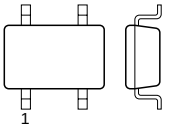


34pin SOP

RS-140-T

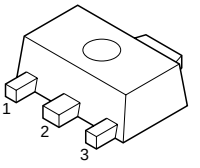


S-80828ANNP-EDR-T2
S-80842ANNP-ED6-T2

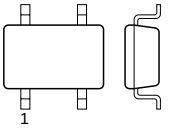


4pin CHIP

TA78M09F(TE16L)

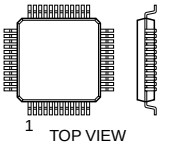


TC75S56F(TE85R)
TC7S04FU(TE85R)
TC7S04FU-TE85R
TC7SET04FU(TE85R)
TC7SET08FU(TE85L)
TC7SET08FU(TE85R)
TC7W08FU



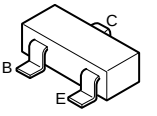
5pin CHIP

uPD72012GB-003-3B4

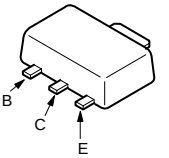


100pin QFP

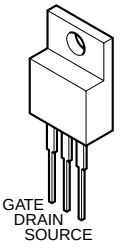
2SA1037AK-T146-QR
2SA1037AK-T146-R
2SA1162-G
2SA1162-YG-TE85L
2SA1462
2SA1462-T1Y33Y34
2SA1611-M5M6
2SA1611T1-M5M6
2SC2712-YG
2SC2712-YG-TE85L
2SC3326N-A
2SC3326N-TE85L-AB
2SC4081-R
2SJ530S-TL
2SC4081T106R
DTC143ZKA-T146
DTC144EKA
DTC144EKA-T146



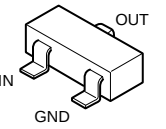
2SA1213Y-TE12L
2SB798



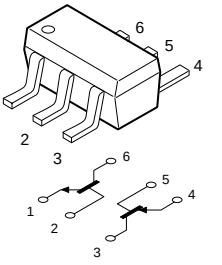
2SK2876-01MR-F119



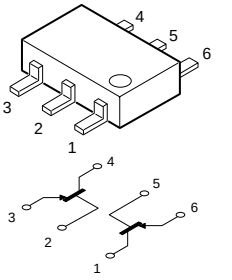
DTA144EUA-T106
DTC114EU
DTC114EUA-T106
DTC123EKA-T146



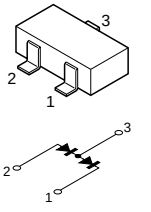
HN1B01FU-TE85R
HN1C01FU-TE85R



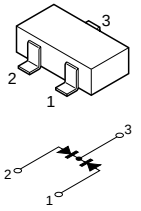
XP4501-TXE



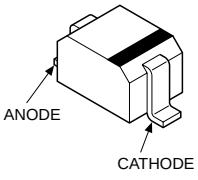
1SS226
MA157-TX



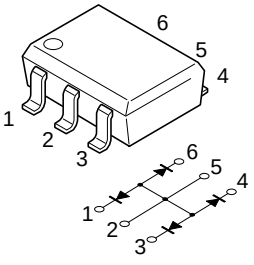
1SS321(TE85L)
1SS321-TE85L(0.05A)
DAN202K
DAN202K-T-146



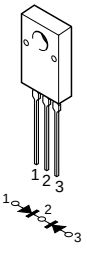
1SS355TE-17
DTZ-TT11-3.3B
MA111-(K8).S0
MA111-TX
RD3.3SB
RD3.3SB-T1
RD5.6SB-T1
RD9.1SB2
RD9.1SB2-T1
UDZ-TE-17-3.3B
UDZ-TE-17-3.9B



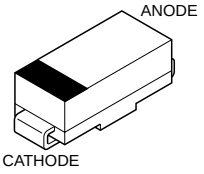
BZA456A



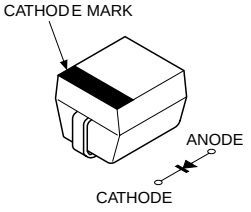
D10SC4M
D10SC6M-4012
D10SDC6M-4012



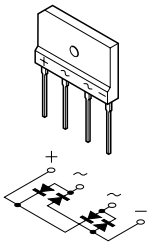
D1FS4A-TA
RB501V-40TE-17
RB501V-40TE17



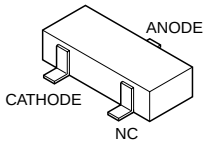
D2FS6-TA
D3FS4A-TA



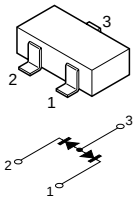
D6SB80



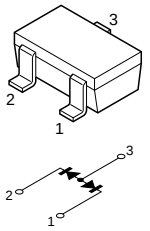
DAN202U
DAN202UT106



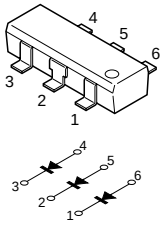
DAP202K(DUAL)
DAP202K-T-146



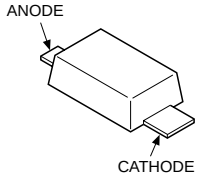
DAP202U
DAP202UT106



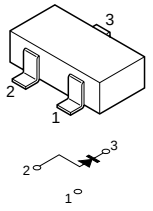
HN1D03FU-TE85L
HN1D03FU-TE85R



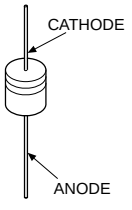
MA8039



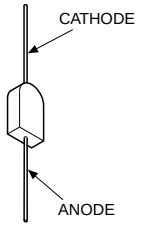
RD16M-B3
RD16M-T1B1
RD18M-B1
RD18M-T1B1
RD30M-T1B
RD39M-B
RD39M-T1B
RD7.5M-B2
RD7.5M-T1B
UZM30B



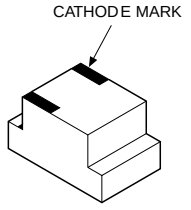
RD5.1SB3-T1
RD5.1SB3-T2(5MA)



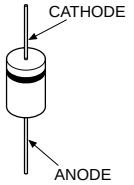
RM11C(RECTI)
RM11C-V1



SEC1801C
SEC1901C
SEC2422C



UF4005PKG23



Section 5
Spare Parts

5-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

WARNHINWEIS

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts List has the present standardized repair parts.

3. Stock of Parts

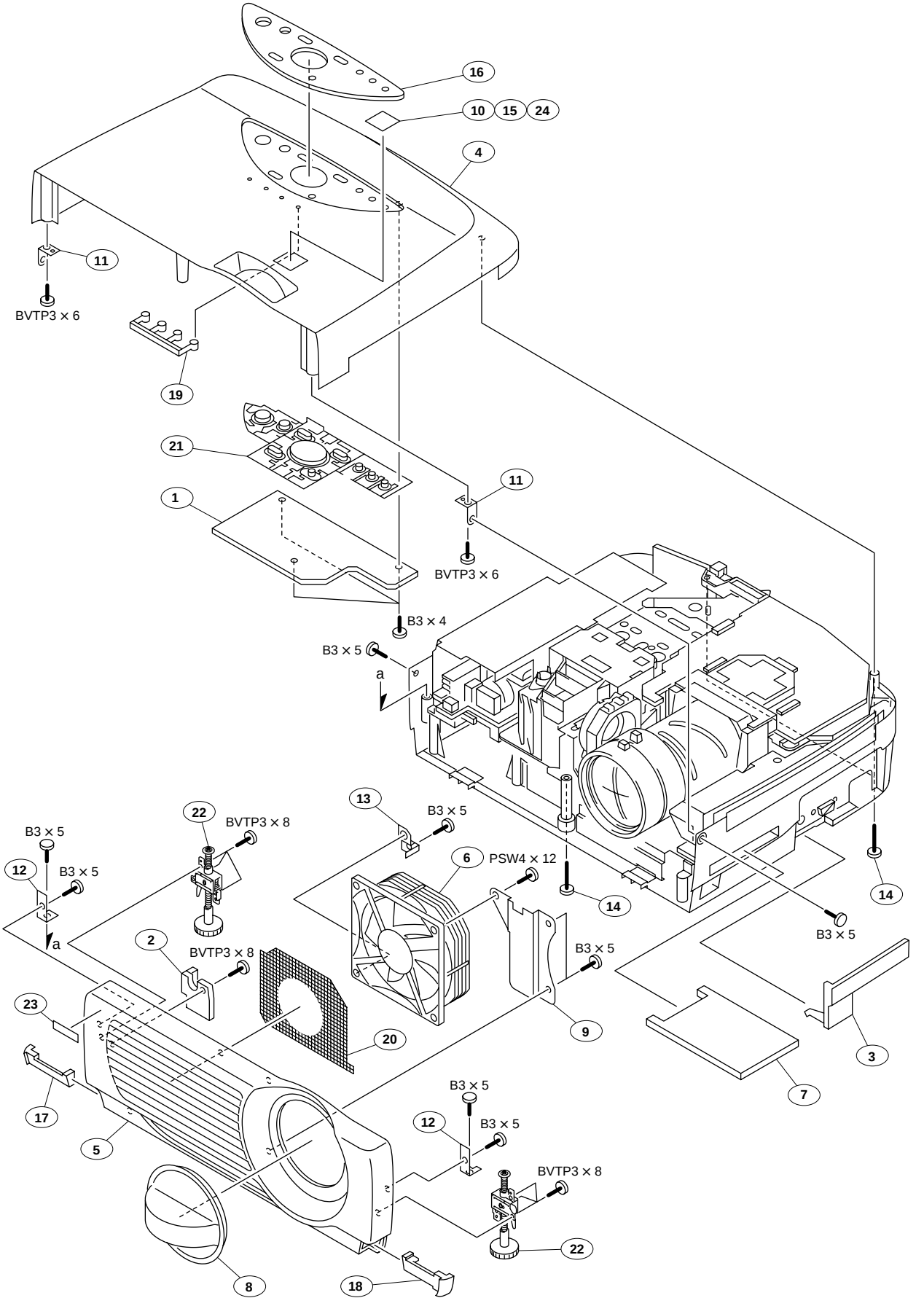
Parts marked with “o” at SP (Supply Code) column of the Spare Parts list may not be stocked. Therefore, the delivery date will be delayed.
Items with no part number and no description are not stocked because they are seldom required for routine service.

4. Units for Capacitors, Inductors and Resistors

The following units are assumed in Schematic Diagrams, Electrical Parts List and Exploded Views unless otherwise specified.

Capacitors	: μF
Inductors	: μH
Resistors	: Ω

5-2. Exploded Views

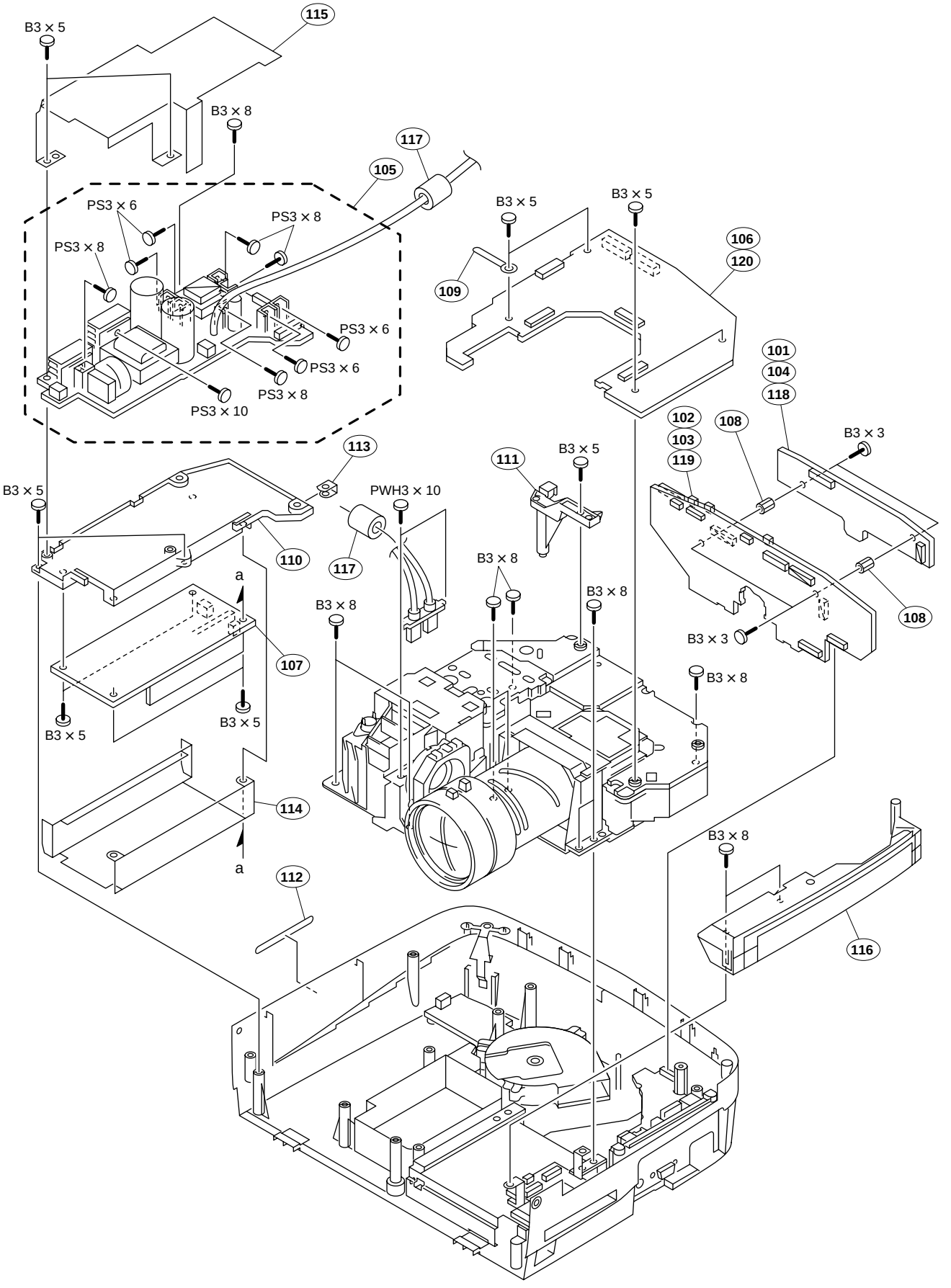


No.	Part No.	SP	Description
1	A-1375-222-A	s	MOUNTED CIRCUIT BOARD, H
2	A-1391-126-A	s	MOUNTED CIRCUIT BOARD, NF
3	X-4039-289-1	s	COVER (CP) ASSY
4	X-4039-297-1	s	HOOD ASSY
5	X-4039-298-1	s	FRONT ASSY
6	1-763-422-11	s	FAN, DC
7	4-080-552-01	o	CARD, DUMMY (VPL-PX15)
8	4-084-283-01	s	CAP (MAIN), LENS
9	4-084-289-01	s	GUIDE, FRONT
10	4-084-413-01	s	EMBLEM (PX15) (VPL-PX15)
11	4-084-420-01	o	PLATE (HB)
12	4-084-421-01	o	PLATE (FHB)
13	4-084-422-01	o	BRACKET, FAN
14	4-084-424-01	s	SCREW (+PSW M3X90), SPECIAL
15	4-084-435-01	s	EMBLEM (PX10) (VPL-PX10)
16	4-084-480-01	s	PANEL, KEY
17	4-084-481-01	s	ADJUSTOR BUTTON (R)
18	4-084-482-01	s	ADJUSTOR BUTTON (L)
19	4-084-485-01	o	GUIDE, LED
20	4-084-486-01	s	NET
21	4-084-506-01	s	BUTTON, KEY
22	4-084-605-01	s	ADJUSTOR
23	4-942-568-41	s	EMBLEM (N0.5),SONY
24	4-085-138-01	s	EMBLEM (PS10) (VPL-PS10)

Screws/Washers

	7-682-545-09	s	SCREW +B3X4
	7-682-546-04	s	SCREW +B3X5
	7-682-663-09	s	SCREW +PS 4X12
	7-685-645-79	s	SCREW +BVTP3X6
	7-685-646-21	s	SCREW +BVTP 3X8

Chassis

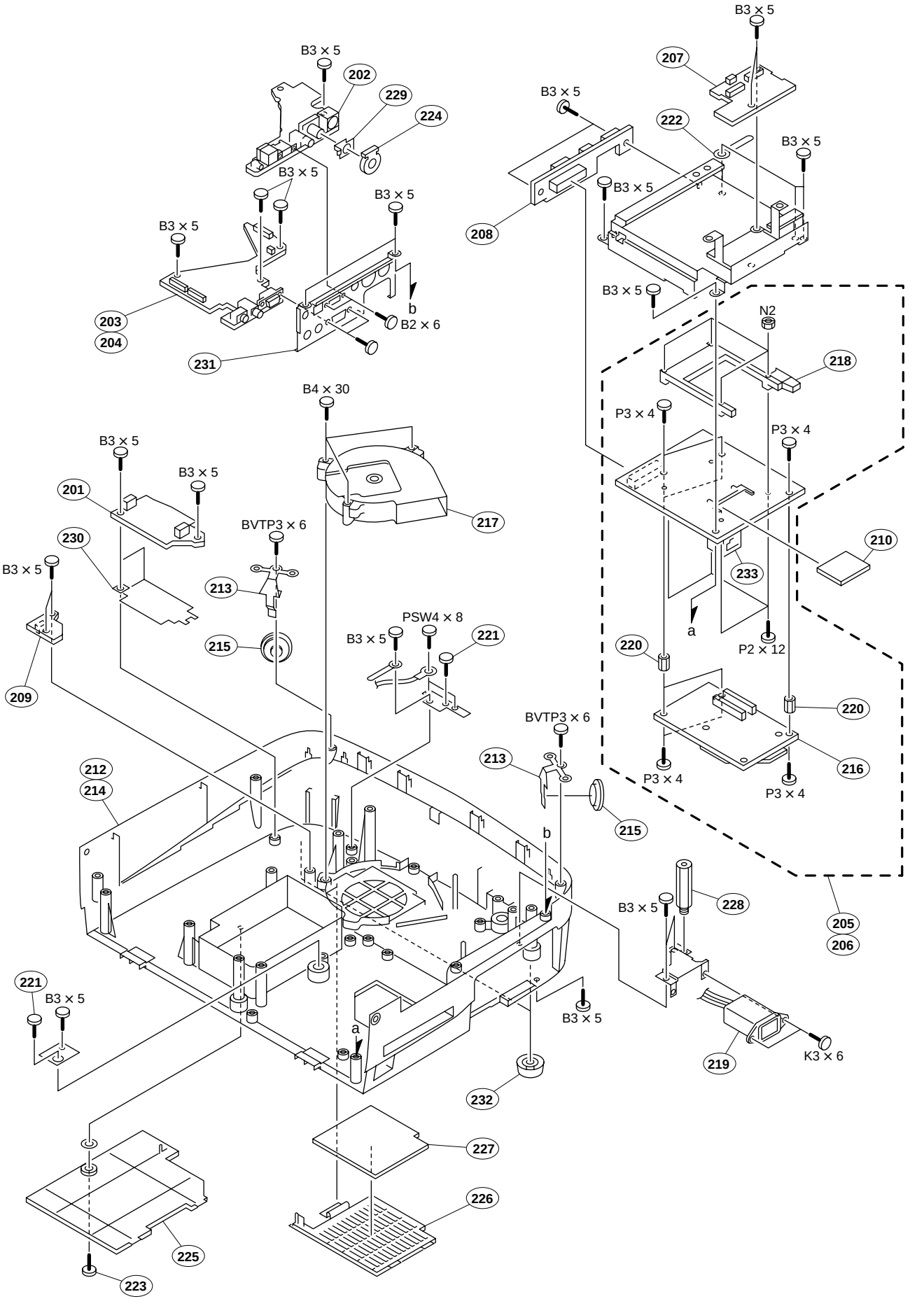

115
B3 × 5
B3 × 8
117
105
PS3 × 6
PS3 × 8
PS3 × 8
PS3 × 6
PS3 × 6
PS3 × 8
PS3 × 10
B3 × 5
B3 × 5
106
120
109
101
104
118
102
103
119
108
B3 × 3
113
111
B3 × 5
B3 × 5
PWH3 × 10
110
117
B3 × 8
B3 × 8
B3 × 8
108
B3 × 3
a
107
B3 × 8
B3 × 5
B3 × 5
114
a
112
B3 × 8
116

No.	Part No.	SP	Description
101	A-1136-191-A	s	MOUNTED CIRCUIT BOARD, BA (VPL-PX10)
102	A-1136-192-A	s	MOUNTED CIRCUIT BOARD, BB (VPL-PX10)
103	A-1136-228-A	s	MOUNTED CIRCUIT BOARD, BB (VPL-PX15)
104	A-1136-239-A	s	MOUNTED CIRCUIT BOARD, BA (VPL-PX15)
105	A-1316-573-A	s	MOUNTED CIRCUIT BOARD, G
106	A-1335-141-A	s	MOUNTED CIRCUIT BOARD, C (VPL-PX10/PX15)
107	1-468-617-11	s	POWER BLOCK
108	2-280-622-11	s	SUPPORT (M3),HEXAGON
109	3-701-822-00	s	HOLDER, WIRE
110	4-084-284-01	o	BRACKET (G)
111	4-084-288-01	o	BRACKET (BB)
112	4-084-428-01	s	SIDE CUSHION
113	4-084-429-01	o	PLATE (GND)
114	4-084-483-01	o	SHEET (BS)
115	4-084-484-01	o	SHEET (G)
116	4-084-603-01	s	HANDLE
117	1-500-082-11	s	CLAMP, SLEEVE FERRITE
118	1-1136-240-A	s	MOUNTED CIRCUIT BOARD, BA (VPL-PS10)
119	1-1136-227-A	s	MOUNTED CIRCUIT BOARD, BB (VPL-PS10)
120	1-1335-147-A	s	MOUNTED CIRCUIT BOARD, C (VPL-PS10)

Screws/Washers

	7-682-544-09	s	SCREW +B3X3
	7-682-546-04	s	SCREW +B3X5
	7-682-548-09	s	SCREW +B 3X8
	7-682-647-09	s	SCREW +PS 3X6
	7-682-648-09	s	SCREW +PS 3X8
	7-682-649-09	s	SCREW +PS 3X10
	7-682-903-21	s	SCREW +PWH 3X10
	7-685-646-21	s	SCREW +BVTP 3X8

Base

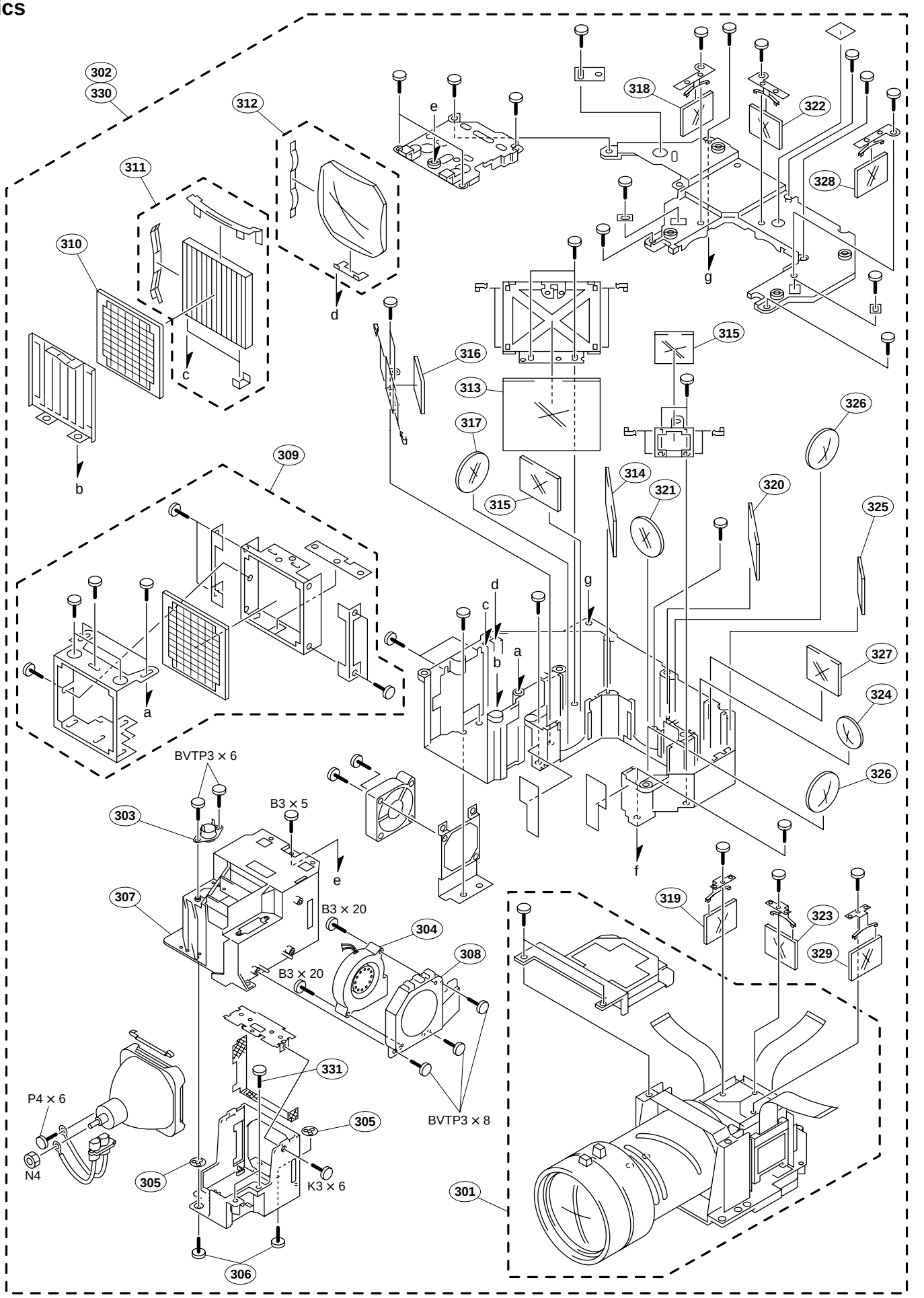

B3 × 5
202
229
224
B3 × 5
B3 × 5
B3 × 5
203
204
b
B2 × 6
231
B3 × 5
207
B3 × 5
222
B3 × 5
208
B3 × 5
B3 × 5
N2
218
P3 × 4
P3 × 4
210
233
a
P2 × 12
220
220
216
P3 × 4
P3 × 4
B4 × 30
217
B3 × 5
B3 × 5
201
230
BVTP3 × 6
213
215
B3 × 5
209
PSW4 × 8
B3 × 5
221
BVTP3 × 6
213
215
212
214
b
205
206
B3 × 5
228
221
B3 × 5
B3 × 5
a
219
K3 × 6
232
227
226
225
223

No.	Part No.	SP	Description
201	A-1241-476-A	s	MOUNTED CIRCUIT BOARD, F
202	A-1275-201-A	s	MOUNTED CIRCUIT BOARD, QA
203	A-1275-202-A	s	MOUNTED CIRCUIT BOARD, QB (VPL-PS10/PX10)
204	A-1275-209-A	s	MOUNTED CIRCUIT BOARD, QB (VPL-PX15)
205	A-1275-210-A	s	MOUNTED CIRCUIT BOARD, QC (VPL-PX15 (W/W))
206	A-1275-211-A	s	MOUNTED CIRCUIT BOARD, QC (VPL-PX15 (J))
207	A-1316-581-A	s	MOUNTED CIRCUIT BOARD, GA (VPL-PX15)
208	A-1332-205-A	s	MOUNTED CIRCUIT BOARD, CM (VPL-PX15)
209	A-1342-606-A	s	MOUNTED CIRCUIT BOARD, V
210	1-796-014-11	s	COMPACT FLASH CARD (VPL-PX15)
212	X-4039-279-1	s	BASE ASSY (VPL-PX15)
213	X-4039-280-1	o	BRACKET (SP) ASSY
214	X-4039-299-1	s	BASE ASSY (VPL-PS10/PX10)
215	1-544-798-11	s	SPEAKER (2.8CM)
216	1-761-392-21	s	PRINTED WIRING BOARD, MICON
217	1-763-417-21	s	FAN, DC
218	1-815-229-21	s	CONNECTOR, CARD
219	⚠ 1-815-295-31	s	INLET, AC (WITH NOISE FILTER)
220	2-280-622-11	s	SUPPORT (M3),HEXAGON
221	3-359-058-01	s	SCREW (+B5X6) (ST)
222	3-701-822-00	s	HOLDER, WIRE
223	4-066-202-01	s	SCREW, M3
224	4-074-246-02	o	SLEEVE, VIDEO
225	4-084-279-01	s	DOOR, LAMP
226	4-084-280-01	s	COVER, FILTER
227	4-084-416-01	s	FILTER
228	4-084-430-01	o	BRACKET, UNIT
229	4-084-433-01	s	SPRING, EARTH
230	4-084-434-01	o	SHEET (F)
231	4-084-505-01	s	PLATE (CP)
232	4-084-604-01	s	FOOT, REAR
233	1-815-920-11	s	JACK, MODULAR

Screws/Washers

	7-621-255-75	s	SCREW +P 2X12 (EP-FE/ZN/CM2)
	7-621-772-38	s	SCREW +B2X6
	7-622-205-05	s	NUT M2 TYPE2
	7-682-145-01	s	SCREW,+P 3X4(EP-FE/ZN/CM2)
	7-682-247-09	s	SCREW +K 3X6
	7-682-546-04	s	SCREW +B3X5
	7-682-568-09	s	SCREW +B4X30(EP-FE/ZNBK/CM2)
	7-682-961-01	s	SCREW +PSW 4X8
	7-685-645-79	s	SCREW +BVTP3X6(EP-FE/ZNBK/CM2)

Optics


302
330
312
311
310
309
318
322
328
316
313
317
315
326
314
321
320
325
327
324
303
307
304
308
331
305
306
301
319
323
329
BVTP3 × 6
B3 × 5
B3 × 20
B3 × 20
BVTP3 × 8
P4 × 6
N4
K3 × 6
a
b
c
d
e
f
g

No.	Part No.	SP	Description
301	A-1485-456-A	s	PRISM BLOCK ASSY
302	A-1501-990-A	s	OPTICS UNIT ASSY (VPL-PX10/PX15)
303 ⚠	1-576-523-11	s	THERMOSTAT
304	1-763-730-11	s	FAN, DC
305	3-715-526-01	o	WASHER (M3) (PLA)
306	4-066-202-01	s	SCREW, M3
307	4-084-285-01	s	HOUSING, LAMP
308	4-084-286-01	s	DUCT (LMP)
309	9-885-014-66	o	EYE (A) ASSY, FLY
310	9-885-014-67	o	EYE (B),FLY
311	9-885-014-68	o	PBS ASSY
312	9-885-014-69	o	LENS, MAIN CAPACITOR
313	9-885-014-70	o	MIRROR, ALL REFLECTION (A)
314	9-885-014-71	o	BDM
315	9-885-014-72	o	FILTER, UV ABSORPTION
316	9-885-014-73	o	MIRROR, ALL REFLECTION (B)
317	9-885-014-74	o	LENS, B-CH CAPACITOR
318	9-885-014-75	s	IN-POLARIZER (B)
319	9-885-014-76	s	OUT-POLARIZER (B)
320	9-885-014-77	o	GDM
321	9-885-014-78	o	LENS, G-CH CAPACITOR
322	9-885-014-79	s	IN-POLARIZER (G)
323	9-885-014-80	s	OUT-POLARIZER (G)
324	9-885-014-81	o	LENS (A), RELAY
325	9-885-014-82	o	MIRROR, ALL REFLECTION (C)
326	9-885-014-83	o	LENS (B), RELAY
327	9-885-014-84	o	RDF
328	9-885-014-85	s	IN-POLARIZER (R)
329	9-885-014-86	s	OUT-POLARIZER (R)
330	A-1501-991-A	s	OPTICS UNIT ASSY (VPL-PS10)
331	3-703-137-01	s	SCREW, TAPPING

Screws/Washers

	7-682-160-09	s	SCREW +P4X6
	7-682-247-09	s	SCREW +K 3X6
	7-682-546-04	s	SCREW +B3X5
	7-682-553-09	s	SCREW +B3X20
	7-682-647-09	s	SCREW +PS 3X6
	7-684-024-04	s	NUT M4 TYPE2
	7-685-645-79	s	SCREW +BVTP3X6
	7-685-646-21	s	SCREW +BVTP3X8

5-3. Electrical Parts List

BA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1136-191-A	s	MOUNTED CIRCUIT BOARD, BA(VPL-PX10)
1pc	A-1136-239-A	s	MOUNTED CIRCUIT BOARD, BA(VPL-PX15)
1pc	A-1136-240-A	s	MOUNTED CIRCUIT BOARD, BA(VPL-PS10)
C106	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C107	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C108	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C109	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C110	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C111	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C112	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C113	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C114	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C115	1-125-838-11	s	CAPACITOR, CERAMIC 2.2MF/6.3V
C116	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C117	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C118	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C119	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C120	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C121	1-162-913-11	s	CAPACITOR,CERAMIC 8PF/50V CH
C122	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C123	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C124	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C125	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C126	1-135-346-11	s	CAP, SOLID ELECT 39MF 16V
C127	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C128	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C129	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C130	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C131	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C132	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C133	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C134	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C135	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C136	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C137	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C138	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C139	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C140	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C141	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C142	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C143	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C144	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C145	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C146	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C147	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C148	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C149	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C150	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C151	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C152	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C153	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C154	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C155	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C156	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C157	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C158	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C159	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C160	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C161	1-131-998-11	s	CAP, SOLID ELECT 82MF 6.3 V

(BA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C162	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C163	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C164	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C165	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C166	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C167	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C168	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C169	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C181	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C182	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C183	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C184	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C185	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C186	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C187	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C188	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C201	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C202	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP)
C203	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C204	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C205	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C206	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C207	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C208	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C209	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C210	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP)
C211	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C212	1-125-837-11	s	CAPACITOR,CHIP CERAMIC1MF/6.3V
C216	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C218	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C220	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C221	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C222	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C223	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C224	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C225	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C226	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C227	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C228	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C229	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C235	1-127-715-11	s	CAPACITOR,CERAMIC 0.22MF B1608
C237	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C238	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C239	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C240	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C242	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C243	1-125-891-11	s	CAPACITOR CERAMIC 0.47MF/10V
C244	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C245	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP)
C246	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C247	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C248	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C250	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C252	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C253	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
CN101	1-779-202-21	s	CONNECTOR, BOARD TO BOARD 70P
D103	8-719-914-43	s	DIODE DAN202K
D201	8-719-914-43	s	DIODE DAN202K

(BA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FB101	1-414-235-22	s	INDUCTOR, FERRITE BEAD
FB102	1-414-235-22	s	INDUCTOR, FERRITE BEAD
FB103	1-500-245-11	s	BEAD, FERRITE (CHIP)
FL101	1-239-899-21	s	FILTER, CHIP EMI
FL102	1-239-899-21	s	FILTER, CHIP EMI
FL103	1-239-899-21	s	FILTER, CHIP EMI
FL104	1-239-397-11	s	FILTER, LOW PASS (8MHZ)
FL105	1-239-397-11	s	FILTER, LOW PASS (8MHZ)
FL106	1-239-397-11	s	FILTER, LOW PASS (8MHZ)
IC101	8-752-072-81	s	IC CXA1875AM
IC102	8-759-058-58	s	IC TC7S04FU-TE85R
IC103	8-759-058-58	s	IC TC7S04FU-TE85R
IC104	8-752-094-47	s	IC CXA2123AQ-T6
IC105	8-759-494-88	s	IC TC75S56F(TE85R)
IC106	8-752-390-37	s	IC CXD2064Q(T6)
IC181	8-749-012-17	s	IC RS-140-T
IC201	8-759-684-72	s	IC M24C64-WMN6T(A)
IC202	8-752-086-33	s	IC CXA2101AQ-TL
IC205	8-759-277-63	s	IC TC7W14FU (TE12R)
L104	1-414-753-91	s	INDUCTOR 4.7UH
L105	1-414-753-91	s	INDUCTOR 4.7UH
L106	1-414-753-91	s	INDUCTOR 4.7UH
L107	1-414-753-91	s	INDUCTOR 4.7UH
L108	1-414-753-91	s	INDUCTOR 4.7UH
L109	1-414-235-22	s	INDUCTOR, FERRITE BEAD
L201	1-414-754-11	s	INDUCTOR 10.0UH
L202	1-414-754-11	s	INDUCTOR 10.0UH
L203	1-414-754-11	s	INDUCTOR 10.0UH
L204	1-414-754-11	s	INDUCTOR 10.0UH
Q101	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q102	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q103	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q104	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q105	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q106	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q107	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q108	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q109	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q201	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q203	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q204	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q205	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q207	8-729-216-22	s	TRANSISTOR 2SA1162-G
R104	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R105	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R106	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R107	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R108	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R109	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R110	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R111	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R112	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R114	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R115	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R117	1-218-726-11	s	RESISTOR CHIP 27K 1/16W (1608)
R119	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R120	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R122	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)

(BA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R124	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R125	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R126	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R127	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R128	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R129	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R131	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R133	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R134	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R135	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R136	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R137	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R140	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R141	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R145	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R148	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R151	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R152	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R154	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R155	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R156	1-216-818-11	s	RESISTOR, CHIP 560 1/16W 1608
R158	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R159	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R162	1-216-822-11	s	RESISTOR, CHIP 1.2K 1/16W 1608
R163	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R164	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R165	1-216-818-11	s	RESISTOR, CHIP 560 1/16W 1608
R166	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R167	1-216-818-11	s	RESISTOR, CHIP 560 1/16W 1608
R168	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R169	1-216-818-11	s	RESISTOR, CHIP 560 1/16W 1608
R170	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R171	1-216-818-11	s	RESISTOR, CHIP 560 1/16W 1608
R172	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R173	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R174	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R175	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R176	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R177	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R178	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R179	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R180	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R181	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R182	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R183	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R184	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R185	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R201	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R202	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R203	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R204	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R205	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R206	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R207	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R208	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R209	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R210	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R211	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R213	1-216-863-11	s	RESISTOR,CHIP 3.3M 1/16W 1608

(BA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R214	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R215	1-216-838-11	s	RESISTOR CHIP 27K 1/16W(1608)
R217	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R219	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R220	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R221	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R222	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R223	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W(1608)
R225	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R228	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R229	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R230	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R231	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R233	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R235	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R236	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R237	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R242	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R243	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R244	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
R245	1-216-091-00	s	RESISTOR CHIP 56K 1/10W(2012)
RB101	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB102	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB103	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
X101	1-781-914-21	s	VIBRATOR, CRYSTAL

BB BOARD (FOR VPL-PX10/PX15)

Note :

*1 If IC503 or IC601 becomes defective, replace the entire BB board and upgrade the version using a flash memory writer. IC IC703 is replaced, use the new IC after writing program using flash memory writer.

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1136-192-A	s	MOUNTED CIRCUIT BOARD, BB(VPL-PX10)
1pc	A-1136-228-A	s	MOUNTED CIRCUIT BOARD, BB(VPL-PX15)
C309	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C310	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C311	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C312	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C313	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C318	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C319	1-131-998-11	s	CAP, SOLID ELECT 82MF 6.3 V
C320	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C321	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C322	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C323	1-131-998-11	s	CAP, SOLID ELECT 82MF 6.3 V
C324	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C325	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C326	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C327	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C328	1-110-563-11	s	CAPACITOR CERAMIC 0.068MF/16V
C329	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C330	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C331	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C332	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C333	1-164-816-11	s	CAPACITOR,CERAMIC 220PF/50V CH
C334	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C335	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C336	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C337	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C338	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C339	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C340	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C341	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C342	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C343	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C344	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C345	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C346	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C401	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C402	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C403	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C404	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C405	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C406	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C407	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C408	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C409	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C410	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C411	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C412	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C413	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C414	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C415	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C416	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C417	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
C418	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C419	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C420	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C421	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C422	1-164-173-11	s	CAPACITOR,CERAMIC 3900PF/50V B
C423	1-137-652-91	s	CAPACITOR,CERAMIC 39000PF /16V
C424	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C425	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C426	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C428	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C429	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C430	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C431	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C432	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C433	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C434	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C435	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C436	1-162-916-11	s	CAPACITOR,CERAMIC 12PF/50V CH
C437	1-162-916-11	s	CAPACITOR,CERAMIC 12PF/50V CH
C438	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C439	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C441	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C501	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C502	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C503	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C504	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C505	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C506	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C507	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C508	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C509	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C510	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C511	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C512	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C513	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C514	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C515	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C516	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C517	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C518	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C520	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C521	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C523	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C524	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C525	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C526	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C527	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C528	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C529	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C530	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C531	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C532	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C533	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C534	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C535	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C536	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C537	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C538	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C589	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C592	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
C593	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C594	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C597	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C601	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C602	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C603	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C605	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C606	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C607	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C608	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C609	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C610	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C611	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C612	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C613	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C614	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C615	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C616	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C617	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C619	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C620	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C622	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C625	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C629	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C633	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C701	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C702	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C703	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C704	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C705	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C706	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C707	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C708	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C709	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C710	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C711	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C712	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C713	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C714	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C715	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C716	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C717	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C718	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C802	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C803	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C804	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C806	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C808	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C810	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C811	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C814	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C815	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C816	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C817	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C818	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C819	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C820	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C821	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C822	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C823	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
C824	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C825	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C901	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C927	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C928	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C929	1-107-682-11	s	CAPACITOR,CHIP 1MF/16V (3216)
C930	1-107-682-11	s	CAPACITOR,CHIP 1MF/16V (3216)
C931	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C932	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C934	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C935	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C936	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C937	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN303	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN304	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN305	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN307	1-793-797-21	o	CONNECTOR, BOARD TO BOARD
CN308	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN502	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN509	1-770-624-21	s	PIN, CONNECTOR 7P
CN510	1-770-624-21	s	PIN, CONNECTOR 7P
CN601	1-770-621-21	s	PIN, CONNECTOR 4P
CN701	1-770-625-21	s	PIN, CONNECTOR 8P
CN801	1-815-339-21	o	PIN, CONNECTOR
CN806	1-770-621-21	s	PIN, CONNECTOR 4P
CN810	1-779-730-11	s	CONNECTOR, FFC/FPC (ZIF) 24P
CN811	1-770-622-21	s	PIN, CONNECTOR 5P
CN812	1-770-623-21	s	PIN, CONNECTOR 6P
D306	8-719-988-61	s	DIODE 1SS355TE-17
D307	8-719-988-61	s	DIODE 1SS355TE-17
D501	8-719-914-43	s	DIODE DAN202K
D601	8-719-914-43	s	DIODE DAN202K
D701	8-719-024-77	s	DIODE HN1D03FU-TE85L
D702	8-719-024-77	s	DIODE HN1D03FU-TE85L
D801	8-719-073-11	s	DIODE BZA456A
D802	8-719-073-11	s	DIODE BZA456A
D803	8-719-073-11	s	DIODE BZA456A
D808	8-719-073-11	s	DIODE BZA456A
D901	8-719-914-43	s	DIODE DAN202K
D927	8-719-024-77	s	DIODE HN1D03FU-TE85L
FB301	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB302	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB303	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB304	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB305	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB402	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB501	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB503	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB504	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB505	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB522	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB602	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB604	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB607	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB608	1-414-921-11	s	INDUCTOR, FERRITE BEAD

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
FB802	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB804	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB805	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB806	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB807	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB808	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB811	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB812	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB813	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB814	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB815	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB816	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB817	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB818	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB819	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB820	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB821	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB822	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FL301	1-239-899-21	s	FILTER, CHIP EMI
IC301	8-759-661-55	s	IC ST24FC21M6TR
IC302	8-759-541-25	s	IC M52758FP
IC303	8-759-646-02	s	IC M52347FP-TE
IC304	8-759-531-92	s	IC TC7WH04FU(TE12R)
IC305	8-759-472-37	s	IC 74VHC240MTCX
IC306	8-759-586-19	s	IC TC7WH123FU(TE12R)
IC307	8-752-072-81	s	IC CXA1875AM
IC308	8-759-471-89	s	IC 74VHC02MTCX
IC309	8-759-335-28	s	IC TA78M09F (TE16L)
IC401	8-759-659-65	s	IC LP2985IM5X-3.3
IC402	8-759-645-12	s	IC AD9884AKS-140
IC405	8-759-683-96	s	IC MK1714-01RT
IC501	8-759-544-01	s	IC S-80828ANNP-EDR-T2
IC502	8-759-471-89	s	IC 74VHC02MTCX
IC503 ※1			IC PW164-10RK
IC505	6-800-548-01	s	IC MBM29LV800TA-70PFTN-SX1718
IC506	8-759-645-48	s	IC IDT71V016S15PH-TL
IC547	8-759-471-85	s	IC 74VHC00MTCX
IC548	8-759-472-14	s	IC 74VHC125MTCX
IC550	8-759-472-14	s	IC 74VHC125MTCX
IC551	8-759-439-67	s	IC TC7W126FU(TE12R)
IC601 ※1			IC CXD9607GB
IC602	8-759-475-43	s	IC TC74LCX125FT(EL)
IC604	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC605	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC606	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC607	8-759-544-01	s	IC S-80828ANNP-EDR-T2
IC608	8-759-684-72	s	IC M24C64-WMN6T(A)
IC609	8-759-662-35	s	IC 74VHCT04AMTCX
IC610	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC615	8-759-447-77	s	IC TC7WH74FU (TE12R)
IC616	8-759-447-77	s	IC TC7WH74FU (TE12R)
IC701	8-759-582-91	s	IC S-80842ANNP-ED6-T2
IC702	8-759-544-01	s	IC S-80828ANNP-EDR-T2
IC703 ※1	8-759-648-10	s	IC HD64F2633TE
IC704	8-759-659-65	s	IC LP2985IM5X-3.3
IC705	8-759-485-79	s	IC TC7SET08FU (TE85L)
IC801	8-759-388-31	s	IC PQ20VZ1U
IC802	8-759-460-81	s	IC BA12FP-E2
IC803	8-759-485-79	s	IC TC7SET08FU (TE85L)

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
IC806	8-759-582-37	s	IC PQ2TZ15U
IC807	8-759-533-85	s	IC L88M05T-FA-TL
IC808	8-759-460-72	s	IC BA033FP
IC809	8-759-533-85	s	IC L88M05T-FA-TL
IC810	8-759-478-92	s	IC TC7SET04FU(TE85R)
IC901	8-759-277-63	s	IC TC7W14FU (TE12R)
IC927	8-759-472-12	s	IC 74VHC123AMTCX
IC928	8-759-082-58	s	IC TC7W08FU
IC929	8-759-662-35	s	IC 74VHCT04AMTCX
IC930	8-759-083-94	s	IC TC7W74FU
IC932	8-759-472-14	s	IC 74VHC125MTCX
IC933	8-759-082-59	s	IC TC7W32FU
IC934	8-759-472-14	s	IC 74VHC125MTCX
IC935	8-759-472-14	s	IC 74VHC125MTCX
L401	1-412-057-11	s	INDUCTOR (SMALL TYPE) 6.8UH
L402	1-469-528-91	s	INDUCTOR 100UH (NLFV25)
Q301	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q302	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q303	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q401	8-729-427-72	s	TRANSISTOR XP4501-TXE
Q524	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q601	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q602	8-729-026-49	s	TRANSISTOR 2SA1037AK-T146-R
Q603	8-729-202-38	s	TRANSISTOR 2SC3326N-A
Q604	8-729-202-38	s	TRANSISTOR 2SC3326N-A
R309	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R311	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R312	1-216-813-11	s	RESISTOR, CHIP 220 1/16W 1608
R313	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R314	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R315	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R316	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R317	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R318	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R319	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R320	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R321	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R322	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R323	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R324	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R325	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R326	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R327	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R328	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R329	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R330	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R331	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R332	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R333	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R334	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R335	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R336	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R337	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R338	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R339	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R340	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R341	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R342	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R343	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R344	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R347	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W(1608)
R348	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R349	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R350	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R351	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R352	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R353	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R354	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R355	1-216-811-11	s	RESISTOR, CHIP 150 1/16W(1608)
R356	1-216-810-11	s	RESISTOR, CHIP 120 1/16W 1608
R357	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R358	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R359	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R360	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R361	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R362	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R401	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R402	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R403	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R405	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R406	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R407	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R408	1-216-851-11	s	RESISTOR,CHIP 330K 1/16W 1608
R412	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R413	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R415	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R416	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R417	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R418	1-216-809-11	s	RESISTOR,CHIP 100 1/16W (1608)
R423	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R424	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R425	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R426	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R427	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R428	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R429	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R430	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R431	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R432	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R433	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R441	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R443	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R501	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R502	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R503	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R506	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R510	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R511	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R512	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R513	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R514	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R515	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R516	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R517	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R518	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R565	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R566	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R567	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R568	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R569	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R570	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R571	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R574	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R575	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R601	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R602	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R603	1-216-801-11	s	RESISTOR,CHIP 22 5% 1/16W
R604	1-216-801-11	s	RESISTOR CHIP 22 5% 1/16W
R605	1-216-801-11	s	RESISTOR CHIP 22 5% 1/16W
R606	1-216-801-11	s	RESISTOR CHIP 22 5% 1/16W
R607	1-216-801-11	s	RESISTOR CHIP 22 5% 1/16W
R608	1-216-801-11	s	RESISTOR CHIP 22 5% 1/16W
R609	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R610	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R611	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R612	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R613	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R614	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R615	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R616	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R617	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R618	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R619	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R620	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R621	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R622	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R623	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R624	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R625	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R626	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R627	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R631	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R632	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R634	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R636	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R637	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R639	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R652	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R653	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R654	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R655	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R663	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R666	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R667	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R668	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R669	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R670	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R672	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R673	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R675	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R676	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R677	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R678	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R701	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R702	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R703	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R704	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R705	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R709	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R710	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R711	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R712	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R713	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R715	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R716	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R717	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R719	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R720	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R721	1-218-703-11	s	RESISTOR,CHIP 3.0K 1/16(1608)
R722	1-218-675-11	s	RESISTOR,CHIP 200 1/16W (1608)
R726	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R727	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R729	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R735	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R736	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R740	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608) (VPL-PX10)
R741	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608) (VPL-PX15)
R742	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R746	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R748	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R749	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R753	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R754	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R755	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R756	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R757	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R758	1-216-864-11	s	CONDUCTOR, CHIP
R802	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R803	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R804	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R805	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R806	1-218-685-11	s	RESISTOR,CHIP 510 1/16W
R808	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R810	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R812	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R818	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R824	1-216-864-11	s	CONDUCTOR. CHIP 0
R826	1-216-864-11	s	CONDUCTOR. CHIP 0
R827	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R828	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R829	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R830	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R867	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R868	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R918	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R919	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R927	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R928	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R938	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R939	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R940	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R941	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R965	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R966	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R967	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R968	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R969	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)

(BB BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
RB402	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB403	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB404	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB405	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB406	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB407	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB415	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB601	1-233-575-11	s	RES, CHIP NETWORK 22
RB602	1-233-575-11	s	RES, CHIP NETWORK 22
RB603	1-233-575-11	s	RES, CHIP NETWORK 22
RB604	1-233-575-11	s	RES, CHIP NETWORK 22
RB605	1-233-575-11	s	RES, CHIP NETWORK 22
RB606	1-233-575-11	s	RES, CHIP NETWORK 22
RB608	1-233-575-11	s	RES, CHIP NETWORK 22
RB610	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB612	1-233-575-11	s	RES, CHIP NETWORK 22
RB613	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB614	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB701	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB702	1-233-412-11	s	RESISTOR,CHIP NETWORK 1K
RB703	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB704	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB705	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB706	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB707	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB708	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB709	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB710	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB711	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB712	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB713	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB714	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB715	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB716	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB801	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB802	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
S501	1-571-674-11	s	SWITCH,SLIDE (2-2-2)
S601	1-571-674-11	s	SWITCH,SLIDE (2-2-2)
S901	1-571-674-11	s	SWITCH,SLIDE (2-2-2)
TH301	1-809-020-11	s	THERMISTOR
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP302	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP303	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP401	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP402	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP601	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP610	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP620	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP621	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP701	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP808	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X401	1-795-068-11	s	VIBRATOR, CRYSTAL
X501	1-795-260-21	s	OSCILLATOR, CRYSTAL
X701	1-781-659-11	s	VIBRATOR, CRYSTAL

BB BOARD (FOR VPL-PS10)

Note :
※1 If IC503 or IC601 becomes defective, replace the entire BB board and upgrade the version using a flash memory writer. IC IC703 is replaced, use the new IC after writing program using flash memory writer.

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1136-227-A	s	MOUNTED CIRCUIT BOARD, BB
C309	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C310	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C311	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C312	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C313	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C318	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C319	1-131-998-11	s	CAP, SOLID ELECT 82MF 6.3 V
C320	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C321	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C322	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C323	1-131-998-11	s	CAP, SOLID ELECT 82MF 6.3 V
C324	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C325	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C326	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C327	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C328	1-110-563-11	s	CAPACITOR CERAMIC 0.068MF/16V
C329	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C330	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C331	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C332	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C333	1-164-816-11	s	CAPACITOR,CERAMIC 220PF/50V CH
C334	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C335	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C336	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C337	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C338	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C339	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C340	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C341	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C342	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C343	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C344	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C345	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C346	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C401	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C402	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C403	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C404	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C405	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C406	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C407	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C408	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C409	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C410	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C411	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C412	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C413	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C414	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C415	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C416	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C417	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C418	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
C419	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C420	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C421	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C422	1-164-173-11	s	CAPACITOR,CERAMIC 3900PF/50V B
C423	1-137-652-91	s	CAPACITOR,CERAMIC 39000PF /16V
C424	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C425	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C426	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C428	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C429	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C430	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C431	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C432	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C433	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C434	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C435	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C436	1-162-916-11	s	CAPACITOR,CERAMIC 12PF/50V CH
C437	1-162-916-11	s	CAPACITOR,CERAMIC 12PF/50V CH
C438	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C439	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C441	1-119-667-11	s	CAPACITOR CERAMIC 22MF/10V(F)
C501	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C502	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C503	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C504	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C505	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C506	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C507	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C508	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C509	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C510	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C511	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C512	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C513	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C514	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C515	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C516	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C517	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C518	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C520	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C521	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C523	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C524	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C525	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C526	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C527	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C528	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C529	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C530	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C531	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C532	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C533	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C534	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C535	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C536	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C537	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C538	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C589	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C592	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C593	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
C594	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C597	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C601	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C602	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C603	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C605	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C606	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C607	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C608	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C609	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C610	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C611	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C612	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C613	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C614	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C615	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C616	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C617	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C619	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C620	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C622	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C625	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C629	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C633	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C701	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C702	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C703	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C704	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C705	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C706	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C707	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C708	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C709	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C710	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C711	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C712	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C713	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C714	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C715	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C716	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C717	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C718	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C803	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C804	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C806	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C808	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C810	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C811	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C814	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C815	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C816	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C817	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C818	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C819	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C820	1-113-577-11	s	CAPACITOR,ELECT 47MF/16V
C821	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C822	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C823	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C824	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
C825	1-128-004-11	s	CAPACITOR ELECT 10MF/16V(CHIP)
C901	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C927	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C928	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C929	1-107-682-11	s	CAPACITOR,CHIP 1MF/16V (3216)
C930	1-107-682-11	s	CAPACITOR,CHIP 1MF/16V (3216)
C931	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C932	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C934	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C935	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C936	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C937	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN303	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN304	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN305	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN307	1-793-797-21	o	CONNECTOR, BOARD TO BOARD
CN308	1-785-305-21	o	CONNECTOR, BOARD TO BOARD
CN502	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN509	1-770-624-21	s	PIN, CONNECTOR 7P
CN510	1-770-624-21	s	PIN, CONNECTOR 7P
CN601	1-770-621-21	s	PIN, CONNECTOR 4P
CN701	1-770-625-21	s	PIN, CONNECTOR 8P
CN801	1-815-339-21	o	PIN, CONNECTOR
CN806	1-770-621-21	s	PIN, CONNECTOR 4P
CN810	1-779-730-11	s	CONNECTOR, FFC/FPC (ZIF) 24P
CN811	1-770-622-21	s	PIN, CONNECTOR 5P
CN812	1-770-623-21	s	PIN, CONNECTOR 6P
D306	8-719-988-61	s	DIODE 1SS355TE-17
D307	8-719-988-61	s	DIODE 1SS355TE-17
D501	8-719-914-43	s	DIODE DAN202K
D601	8-719-914-43	s	DIODE DAN202K
D701	8-719-024-77	s	DIODE HN1D03FU-TE85L
D702	8-719-024-77	s	DIODE HN1D03FU-TE85L
D801	8-719-073-11	s	DIODE BZA456A
D802	8-719-073-11	s	DIODE BZA456A
D803	8-719-073-11	s	DIODE BZA456A
D808	8-719-073-11	s	DIODE BZA456A
D901	8-719-914-43	s	DIODE DAN202K
D927	8-719-024-77	s	DIODE HN1D03FU-TE85L
FB301	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB302	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB303	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB304	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB305	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB402	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB501	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB503	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB504	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB505	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB522	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB602	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB604	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB607	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB608	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB802	1-414-921-11	s	INDUCTOR, FERRITE BEAD

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
FB804	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB805	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB806	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB807	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB808	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB811	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB812	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB813	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB814	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB815	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB816	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB817	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB818	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB819	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB820	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB821	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB822	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FL301	1-239-899-21	s	FILTER, CHIP EMI
IC301	8-759-661-55	s	IC ST24FC21M6TR
IC302	8-759-541-25	s	IC M52758FP
IC303	8-759-646-02	s	IC M52347FP-TE
IC304	8-759-531-92	s	IC TC7WH04FU(TE12R)
IC305	8-759-472-37	s	IC 74VHC240MTCX
IC306	8-759-586-19	s	IC TC7WH123FU(TE12R)
IC307	8-752-072-81	s	IC CXA1875AM
IC308	8-759-471-89	s	IC 74VHC02MTCX
IC309	8-759-335-28	s	IC TA78M09F (TE16L)
IC401	8-759-659-65	s	IC LP2985IM5X-3.3
IC402	8-759-645-12	s	IC AD9884AKS-140
IC405	8-759-683-96	s	IC MK1714-01RT
IC501	8-759-544-01	s	IC S-80828ANNP-EDR-T2
IC502	8-759-471-89	s	IC 74VHC02MTCX
IC503 ※1			IC PW164-10RK
IC505	6-800-548-01	s	IC MBM29LV800TA-70PFTN-SX1718
IC506	8-759-645-48	s	IC IDT71V016S15PH-TL
IC547	8-759-471-85	s	IC 74VHC00MTCX
IC548	8-759-472-14	s	IC 74VHC125MTCX
IC550	8-759-472-14	s	IC 74VHC125MTCX
IC551	8-759-439-67	s	IC TC7W126FU(TE12R)
IC601 ※1			IC CXD9607GB
IC602	8-759-475-43	s	IC TC74LCX125FT(EL)
IC604	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC605	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC606	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC607	8-759-544-01	s	IC S-80828ANNP-EDR-T2
IC608	8-759-684-72	s	IC M24C64-WMN6T(A)
IC609	8-759-662-35	s	IC 74VHCT04MTCX
IC610	8-759-490-41	s	IC TC74VHCT541AFT(EL)
IC615	8-759-447-77	s	IC TC7WH74FU (TE12R)
IC616	8-759-447-77	s	IC TC7WH74FU (TE12R)
IC701	8-759-582-91	s	IC S-80842ANNP-ED6-T2
IC702	8-759-544-01	s	IC S-80828ANNP-EDR-T2
IC703 ※1	8-759-648-10	s	IC HD64F2633TE
IC704	8-759-659-65	s	IC LP2985IM5X-3.3
IC705	8-759-485-79	s	IC TC7SET08FU (TE85L)
IC801	8-759-388-31	s	IC PQ20VZ1U
IC802	8-759-460-81	s	IC BA12FP-E2
IC803	8-759-485-79	s	IC TC7SET08FU (TE85L)

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
IC806	8-759-582-37	s	IC PQ2TZ15U
IC807	8-759-533-85	s	IC L88M05T-FA-TL
IC808	8-759-460-72	s	IC BA033FP
IC809	8-759-533-85	s	IC L88M05T-FA-TL
IC810	8-759-478-92	s	IC TC7SET04FU(TE85R)
IC901	8-759-277-63	s	IC TC7W14FU (TE12R)
IC927	8-759-472-12	s	IC 74VHC123AMTCX
IC928	8-759-082-58	s	IC TC7W08FU
IC929	8-759-662-35	s	IC 74VHCT04MTCX
IC930	8-759-083-94	s	IC TC7W74FU
IC932	8-759-472-14	s	IC 74VHC125MTCX
IC933	8-759-082-59	s	IC TC7W32FU
IC934	8-759-472-14	s	IC 74VHC125MTCX
IC935	8-759-472-14	s	IC 74VHC125MTCX
L401	1-412-057-11	s	INDUCTOR (SMALL TYPE) 6.8UH
L402	1-469-528-91	s	INDUCTOR 100UH (NLFV25)
Q301	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q302	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q303	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q401	8-729-427-72	s	TRANSISTOR XP4501-TXE
Q524	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q601	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q602	8-729-026-49	s	TRANSISTOR 2SA1037AK-T146-R
Q603	8-729-202-38	s	TRANSISTOR 2SC3326N-A
Q604	8-729-202-38	s	TRANSISTOR 2SC3326N-A
R309	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R311	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R312	1-216-813-11	s	RESISTOR, CHIP 220 1/16W 1608
R313	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R314	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R315	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R316	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R317	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R318	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R319	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R320	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R321	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R322	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R323	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R324	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R325	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R326	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R327	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R328	1-216-817-11	s	RESISTOR,CHIP 470 1/16W 1608
R329	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R330	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R331	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R332	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R333	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R334	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R335	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R336	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R337	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R338	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R339	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R340	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R341	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R342	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R343	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
R344	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R347	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W(1608)
R348	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R349	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R350	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R351	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R352	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R353	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R354	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R355	1-216-811-11	s	RESISTOR, CHIP 150 1/16W(1608)
R356	1-216-810-11	s	RESISTOR, CHIP 120 1/16W 1608
R357	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R358	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R359	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R360	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R361	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R362	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R401	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R402	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R403	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R405	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R406	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R407	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R408	1-216-851-11	s	RESISTOR,CHIP 330K 1/16W 1608
R412	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R413	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R415	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R416	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R417	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R418	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R423	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R425	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R426	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R429	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R430	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R431	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R433	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R441	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R443	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R444	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R445	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R446	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R447	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R501	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R502	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R503	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R506	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R510	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R511	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R512	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R513	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R514	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R515	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R516	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R517	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R518	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R565	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R566	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R567	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
R568	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R569	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R570	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R571	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R574	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R575	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R601	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R602	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R603	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R604	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R605	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R606	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R607	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R608	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R609	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R610	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R611	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R612	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R613	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R614	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R615	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R616	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R617	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R618	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R619	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R620	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R621	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R622	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R623	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R624	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R625	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R626	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R627	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R631	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R632	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R634	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R636	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R637	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R639	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R652	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R653	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R654	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R655	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R663	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R666	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R667	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R668	1-216-801-11	s	RESISTOR,CHIP 22 1/16W (1608)
R669	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R670	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R672	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R673	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R675	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R676	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R677	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R678	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R701	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R702	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R703	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R704	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R705	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
R709	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R710	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R711	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R712	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R713	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R715	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R716	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R717	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R719	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R720	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R721	1-218-703-11	s	RESISTOR,CHIP 3.0K 1/16(1608)
R722	1-218-675-11	s	RESISTOR,CHIP 200 1/16W (1608)
R726	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R727	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R729	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R735	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R736	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R740	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R743	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R746	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R748	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R749	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R753	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R754	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R755	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R756	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R757	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R758	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R802	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R803	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R804	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R805	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R806	1-218-685-11	s	RESISTOR,CHIP 510 1/16W
R808	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R810	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R812	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R818	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R824	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R826	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R827	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R828	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R829	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R830	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
R867	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R868	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R918	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R919	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R927	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R928	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R938	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R939	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R940	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R941	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R965	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R966	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R967	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R968	1-216-807-11	s	RESISTOR, CHIP 68 1/16W 1608
R969	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)

(BB BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
RB402	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB403	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB404	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB405	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB406	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB407	1-233-574-11	s	RESISTOR,CHIP NETWORK 10
RB415	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB601	1-233-575-11	s	RES, CHIP NETWORK 22
RB602	1-233-575-11	s	RES, CHIP NETWORK 22
RB603	1-233-575-11	s	RES, CHIP NETWORK 22
RB604	1-233-575-11	s	RES, CHIP NETWORK 22
RB605	1-233-575-11	s	RES, CHIP NETWORK 22
RB606	1-233-575-11	s	RES, CHIP NETWORK 22
RB608	1-233-575-11	s	RES, CHIP NETWORK 22
RB610	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB612	1-233-575-11	s	RES, CHIP NETWORK 22
RB613	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB614	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB701	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB702	1-233-412-11	s	RESISTOR,CHIP NETWORK 1K
RB703	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB704	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB705	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB706	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB707	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB708	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB709	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB710	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB711	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB712	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB713	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB714	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB715	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB716	1-236-908-11	s	RESISTOR,NETWORK 10K (3216)
RB801	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB802	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
S501	1-571-674-11	s	SWITCH,SLIDE (2-2-2)
S601	1-571-674-11	s	SWITCH,SLIDE (2-2-2)
S901	1-571-674-11	s	SWITCH,SLIDE (2-2-2)
TH301	1-809-020-11	s	THERMISTOR
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP302	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP303	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP401	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP402	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP601	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP610	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP620	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP621	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP701	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP808	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
X401	1-781-694-21	s	VIBRATOR, CRYSTAL
X501	1-795-260-21	s	OSCILLATOR, CRYSTAL
X701	1-781-659-11	s	VIBRATOR, CRYSTAL

C BOARD (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1335-141-A	s	MOUNTED CIRCUIT BOARD, C
C101	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C107	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C109	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C112	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C113	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C123	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C283	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C301	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C302	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C303	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C304	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C305	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C306	1-126-602-11	s	CAPACITOR,ELECT 3.3MF/50V(CHIP
C307	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C308	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C309	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C310	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C311	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C312	1-126-602-11	s	CAPACITOR,ELECT 3.3MF/50V(CHIP
C313	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C314	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C315	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C316	1-126-602-11	s	CAPACITOR,ELECT 3.3MF/50V(CHIP
C317	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C318	1-135-347-11	s	CAP, SOLID ELECT 82MF
C320	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C321	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C322	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C323	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C324	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C325	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C326	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C327	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C329	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C500	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C501	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C502	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C503	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C504	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C505	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C506	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C507	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C508	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C509	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C510	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C511	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C512	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C513	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C514	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C515	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C516	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C517	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C518	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C519	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C520	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C521	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
C522	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C523	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C524	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C525	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C526	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C527	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C528	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C529	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C530	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C531	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C532	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C600	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C601	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C602	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C603	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C604	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C605	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C606	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C607	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C608	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C609	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C610	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C611	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C612	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C613	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C614	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C615	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C616	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C617	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C618	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C619	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C620	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C621	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C622	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C623	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C624	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C625	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C626	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C627	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C628	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C629	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C630	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C631	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C632	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C700	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C701	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C702	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C703	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C704	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C705	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C706	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C707	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C708	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C709	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C710	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C711	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C712	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C713	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C714	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
C715	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C716	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C717	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C718	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C719	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C720	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C721	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C722	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C723	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C724	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C725	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C726	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C727	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C728	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C729	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C730	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C731	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C732	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
CN1201	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN1202	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN1203	1-760-388-11	o	CONNECTOR PIN (SMD) 9 PIN
CN1205	1-794-695-11	s	CONNECTOR, FFC/FPC 30P
CN1207	1-794-695-11	s	CONNECTOR, FFC/FPC 30P
CN1209	1-794-695-11	s	CONNECTOR, FFC/FPC 30P
D301	8-719-988-61	s	DIODE 1SS355TE-17
D302	8-719-988-61	s	DIODE 1SS355TE-17
D303	8-719-988-61	s	DIODE 1SS355TE-17
D304	8-719-988-61	s	DIODE 1SS355TE-17
D305	8-719-988-61	s	DIODE 1SS355TE-17
D306	8-719-159-13	s	DIODE RD5.1SB3-T2(5MA)
D307	8-719-159-13	s	DIODE RD5.1SB3-T2(5MA)
D308	8-719-159-13	s	DIODE RD5.1SB3-T2(5MA)
D500	8-719-988-61	s	DIODE 1SS355TE-17
D600	8-719-988-61	s	DIODE 1SS355TE-17
D700	8-719-988-61	s	DIODE 1SS355TE-17
FB109	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB110	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB121	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB301	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB302	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB303	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB304	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB305	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB306	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB307	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB500	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB501	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB503	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB504	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB505	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB506	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB600	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB602	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB604	1-414-921-11	s	INDUCTOR, FERRITE BEAD

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
FB605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB606	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB700	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB701	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB702	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB703	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB704	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB705	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB706	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC104	8-759-447-77	s	IC TC7WH74FU(TE12R)
IC105	8-759-485-79	s	IC TC7SET08FU(TE85L)
IC106	8-759-478-92	s	IC TC7SET04FU(TE85R)
IC107	8-759-570-08	s	IC TC7SET32FU(TE85R)
IC109	8-759-388-31	s	IC PQ20VZ1U
IC301	8-759-645-13	s	IC ADV7123KST140
IC302	8-759-584-86	s	IC M52749FP-TP
IC303	8-759-571-03	s	IC LM4041DIM3-1.2(T&R)
IC304	8-759-542-46	s	IC M62392FP
IC305	8-759-542-46	s	IC M62392FP
IC500	8-759-686-68	s	IC ET1030F0A
IC501	8-752-093-18	s	IC CXA3512R-T6
IC502	8-752-093-18	s	IC CXA3512R-T6
IC600	8-759-686-68	s	IC ET1030F0A
IC601	8-752-093-18	s	IC CXA3512R-T6
IC602	8-752-093-18	s	IC CXA3512R-T6
IC700	8-759-686-68	s	IC ET1030F0A
IC701	8-752-093-18	s	IC CXA3512R-T6
IC702	8-752-093-18	s	IC CXA3512R-T6
L301	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L302	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L303	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L500	1-414-170-41	s	INDUCTOR, CHIP 100UH (2012)
L501	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L502	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L600	1-414-170-41	s	INDUCTOR, CHIP 100UH (2012)
L601	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L602	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L700	1-414-170-41	s	INDUCTOR, CHIP 100UH (2012)
L701	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L702	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
Q301	8-729-112-65	s	TRANSISTOR 2SA1462
Q302	8-729-112-65	s	TRANSISTOR 2SA1462
Q303	8-729-112-65	s	TRANSISTOR 2SA1462
Q304	8-729-112-65	s	TRANSISTOR 2SA1462
Q500	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q501	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q502	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q503	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q504	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q600	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q601	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q602	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q603	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q604	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q700	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q701	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q702	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q703	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
Q704	8-729-905-35	s	TRANSISTOR 2SC4081-R
R101	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R102	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R103	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R128	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R129	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R130	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R131	1-218-702-11	s	RESISTOR CHIP 2.7K 1/16W(1608)
R132	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R133	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R135	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R136	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R137	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R138	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R139	1-218-685-11	s	RESISTOR,CHIP 510 1/16W
R140	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R141	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R301	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R302	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R303	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R304	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R305	1-216-808-11	s	RESISTOR,CHIP 82 1/16W 1608
R306	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R307	1-216-819-11	s	RESISTOR,CHIP 680 1/16W 1608
R309	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R310	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R311	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R312	1-218-652-11	s	RESISTOR,CHIP 22 1/16W (1608)
R313	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R314	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R315	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R317	1-216-808-11	s	RESISTOR,CHIP 82 1/16W 1608
R318	1-218-652-11	s	RESISTOR,CHIP 22 1/16W (1608)
R319	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R320	1-216-819-11	s	RESISTOR,CHIP 680 1/16W 1608
R322	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R323	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R324	1-218-652-11	s	RESISTOR,CHIP 22 1/16W (1608)
R325	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R326	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R327	1-216-819-11	s	RESISTOR,CHIP 680 1/16W 1608
R328	1-216-808-11	s	RESISTOR,CHIP 82 1/16W 1608
R329	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R330	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R331	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R332	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R333	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R334	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R335	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R336	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R337	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R338	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R339	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R340	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R341	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R342	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R343	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R344	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R345	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R346	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R347	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R348	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R349	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R350	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R351	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R352	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R353	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R354	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R355	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R500	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R501	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R502	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R503	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R504	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R505	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R506	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R507	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R508	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R509	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R510	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R511	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R512	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R513	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R514	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R515	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R518	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R521	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R524	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R526	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R527	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R528	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R529	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R530	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R531	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R532	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R533	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R534	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R535	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R536	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R537	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R538	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R539	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R600	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R601	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R602	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R603	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R604	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R605	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R606	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R607	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R608	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R609	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R610	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R611	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R612	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R613	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R614	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R615	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R618	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R621	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R624	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R626	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R627	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R628	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R629	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R630	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R631	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R632	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R633	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R634	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R635	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R636	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R637	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R638	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R639	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R700	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R701	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R702	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R703	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R704	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R705	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R706	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R707	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R708	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R709	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R710	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R711	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R712	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R713	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R714	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R715	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R718	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R721	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R724	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R726	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R727	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R728	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R729	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R730	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R731	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R732	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R733	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R734	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R735	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R736	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R737	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R738	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R739	1-216-864-11	s	CONDUCTOR, CHIP (1608)
RB301	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB302	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB303	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB304	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB306	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
TH101	1-808-656-11	s	THERMISTOR
TH102	1-808-656-11	s	THERMISTOR

(C BOARD) (FOR VPL-PX10/PX15)

Ref. No. or Q'ty	Part No.	SP	Description
TP108	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP110	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP111	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP112	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP113	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP114	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP115	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP201	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP202	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP203	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP204	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP205	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP206	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP207	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP208	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP209	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP302	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP303	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP304	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP305	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP306	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP307	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP308	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP309	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP310	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP311	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP500	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP501	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP502	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP600	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP601	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP602	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP700	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP701	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP702	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

C BOARD (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1335-147-A	s	MOUNTED CIRCUIT BOARD, C
C101	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C107	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C109	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C112	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C113	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C123	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C283	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C301	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C302	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C303	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C304	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C305	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C306	1-126-602-11	s	CAPACITOR,ELECT 3.3MF/50V(CHIP
C307	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C308	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C309	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C310	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C311	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C312	1-126-602-11	s	CAPACITOR,ELECT 3.3MF/50V(CHIP
C313	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C314	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C315	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C316	1-126-602-11	s	CAPACITOR,ELECT 3.3MF/50V(CHIP
C317	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C318	1-135-347-11	s	CAP, SOLID ELECT 82MF
C320	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C321	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C322	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C323	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C324	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C325	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C326	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C327	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C329	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C500	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C501	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C502	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C503	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C504	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C505	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C506	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C507	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C508	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C509	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C511	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C512	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C514	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C516	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C517	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C518	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C519	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C520	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C522	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C523	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C524	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C526	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C527	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V

(C BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
C528	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C529	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C530	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C531	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C532	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C600	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C601	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C602	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C603	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C604	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C605	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C606	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C607	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C608	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C609	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C611	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C613	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C614	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C616	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C617	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C618	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C619	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C620	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C622	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C623	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C624	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C626	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C627	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C628	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C629	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C630	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C631	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C632	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C700	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C701	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C702	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C703	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C704	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C705	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C706	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C707	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C708	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C709	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C711	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C713	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C714	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C716	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C717	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C718	1-125-889-11	s	CAPACITOR, C.CERAMIC 2.2MF
C719	1-162-964-11	s	CAPACITOR,CERAMIC 1000PF/50V B
C720	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C722	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C723	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C724	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C726	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C727	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C728	1-128-400-11	s	CAPACITOR, ELECT 47MF/25V
C729	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C730	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V

(C BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
C731	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C732	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
CN1201	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN1202	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN1203	1-760-388-11	o	CONNECTOR PIN (SMD) 9 PIN
CN1206	1-794-695-11	s	CONNECTOR, FFC/FPC 30P
CN1208	1-794-695-11	s	CONNECTOR, FFC/FPC 30P
CN1210	1-794-695-11	s	CONNECTOR, FFC/FPC 30P
D301	8-719-988-61	s	DIODE 1SS355TE-17
D302	8-719-988-61	s	DIODE 1SS355TE-17
D303	8-719-988-61	s	DIODE 1SS355TE-17
D304	8-719-988-61	s	DIODE 1SS355TE-17
D305	8-719-988-61	s	DIODE 1SS355TE-17
D306	8-719-159-13	s	DIODE RD5.1SB3-T2 (5MA)
D307	8-719-159-13	s	DIODE RD5.1SB3-T2 (5MA)
D308	8-719-159-13	s	DIODE RD5.1SB3-T2 (5MA)
D500	8-719-988-61	s	DIODE 1SS355TE-17
D600	8-719-988-61	s	DIODE 1SS355TE-17
D700	8-719-988-61	s	DIODE 1SS355TE-17
FB109	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB110	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB121	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB301	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB302	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB303	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB304	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB305	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB306	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB307	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB500	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB501	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB502	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB503	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB504	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB505	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB506	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB600	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB601	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB602	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB603	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB604	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB605	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB606	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB700	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB701	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB702	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB703	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB704	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB705	1-414-921-11	s	INDUCTOR, FERRITE BEAD
FB706	1-414-921-11	s	INDUCTOR, FERRITE BEAD
IC104	8-759-447-77	s	IC TC7WH74FU (TE12R)
IC105	8-759-485-79	s	IC TC7SET08FU (TE85L)
IC106	8-759-478-92	s	IC TC7SET04FU(TE85R)
IC107	8-759-570-08	s	IC TC7SET32FU(TE85R)
IC109	8-759-388-31	s	IC PQ20VZ1U
IC301	8-759-645-13	s	IC ADV7123KST140

(C BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
IC302	8-759-584-86	s	IC M52749FP-TP
IC303	8-759-571-03	s	IC LM4041DIM3-1.2(T&R)
IC304	8-759-542-46	s	IC M62392FP
IC305	8-759-542-46	s	IC M62392FP
IC500	8-759-686-68	s	IC ET1030F0A
IC502	8-752-093-18	s	IC CXA3512R-T6
IC600	8-759-686-68	s	IC ET1030F0A
IC602	8-752-093-18	s	IC CXA3512R-T6
IC700	8-759-686-68	s	IC ET1030F0A
IC702	8-752-093-18	s	IC CXA3512R-T6
L301	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L302	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L303	1-469-525-91	s	INDUCTOR 10UH (NLFV25)
L500	1-414-170-41	s	INDUCTOR, CHIP 100UH (2012)
L501	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L502	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L600	1-414-170-41	s	INDUCTOR, CHIP 100UH (2012)
L601	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L602	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L700	1-414-170-41	s	INDUCTOR, CHIP 100UH (2012)
L701	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
L702	1-410-369-11	s	INDUCTOR,CHIP 1UH (3225)
Q301	8-729-112-65	s	TRANSISTOR 2SA1462
Q302	8-729-112-65	s	TRANSISTOR 2SA1462
Q303	8-729-112-65	s	TRANSISTOR 2SA1462
Q304	8-729-112-65	s	TRANSISTOR 2SA1462
Q500	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q501	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q502	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q503	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q504	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q600	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q601	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q602	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q603	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q604	8-729-905-35	s	TRANSISTOR 2SC4081-R
Q700	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q701	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q702	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q703	8-729-013-28	s	TRANSISTOR HN1B01FU-TE85R
Q704	8-729-905-35	s	TRANSISTOR 2SC4081-R
R101	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R102	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R103	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R128	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R129	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R130	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R131	1-218-702-11	s	RESISTOR CHIP 2.7K 1/16W(1608)
R132	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R133	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R135	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R136	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R137	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R138	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R139	1-218-685-11	s	RESISTOR,CHIP 510 1/16W
R140	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R141	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R301	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

(C BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
R302	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R303	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R304	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R305	1-216-808-11	s	RESISTOR,CHIP 82 1/16W 1608
R306	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R307	1-216-819-11	s	RESISTOR,CHIP 680 1/16W 1608
R309	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R310	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R311	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R312	1-218-652-11	s	RESISTOR,CHIP 22 1/16W (1608)
R313	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R314	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R315	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R317	1-216-808-11	s	RESISTOR,CHIP 82 1/16W 1608
R318	1-218-652-11	s	RESISTOR,CHIP 22 1/16W (1608)
R319	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R320	1-216-819-11	s	RESISTOR,CHIP 680 1/16W 1608
R322	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R323	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R324	1-218-652-11	s	RESISTOR,CHIP 22 1/16W (1608)
R325	1-216-816-11	s	RESISTOR, CHIP 390 1/16W 1608
R326	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R327	1-216-819-11	s	RESISTOR,CHIP 680 1/16W 1608
R328	1-216-808-11	s	RESISTOR,CHIP 82 1/16W 1608
R329	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R330	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R331	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R332	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R333	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R334	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R335	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R336	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R337	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R338	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R339	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R340	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R341	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R342	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R343	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R344	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R345	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R346	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R347	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R348	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R349	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R350	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R351	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R352	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R353	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R354	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R355	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R500	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R501	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R502	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R503	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R504	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R505	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R506	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R507	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608

(C BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
R508	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R509	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R510	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R511	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R512	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R513	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R515	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R518	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R521	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R522	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R523	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R524	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R532	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R533	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R534	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R535	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R536	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R537	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R538	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R600	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R601	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R602	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R603	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R604	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R605	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R606	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R607	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R608	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R609	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R610	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R611	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R612	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R613	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R615	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R618	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R621	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R622	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R623	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R624	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R632	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R633	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R634	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R635	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R636	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R637	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R638	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R700	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R701	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R702	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R703	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R704	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R705	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R706	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R707	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R708	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R709	1-216-797-11	s	RESISTOR,CHIP 10 1/16W 1608
R710	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R711	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R712	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)

(C BOARD) (FOR VPL-PS10)

Ref. No. or Q'ty	Part No.	SP	Description
R713	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R715	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R718	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R721	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R722	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R723	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R724	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R732	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R733	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R734	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R735	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R736	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R737	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R738	1-216-864-11	s	CONDUCTOR, CHIP (1608)
RB301	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB302	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB303	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB304	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
RB306	1-233-576-11	s	RESISTOR,CHIP NETWORK 100
TH101	1-808-656-11	s	THERMISTOR
TH102	1-808-656-11	s	THERMISTOR
TP108	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP111	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP112	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP113	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP114	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP115	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP201	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP202	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP203	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP204	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP205	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP206	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP207	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP208	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP209	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP301	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP302	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP303	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP304	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP305	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP306	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP307	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP308	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP309	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP310	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP311	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP500	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP502	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP600	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP602	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP700	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)
TP702	1-535-757-11	s	CHIP, CHECKER (CONNECTOR)

F BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1241-476-A	s	MOUNTED CIRCUIT BOARD, F
C1001	⚠ 1-115-166-11	s	CAPACITOR,FILM 0.22MF/250VAC
C1002	⚠ 1-107-533-11	s	CAPACITOR FILM 1MF/250VAC
CN1001	1-691-960-21	o	PIN, CONNECTOR (PC BOARD) 3P
CN1002	1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
F1001	⚠ 1-576-233-11	s	FUSE (H.B.C.) 6.3A/250V
FH1001	1-533-223-11	s	CLIP,FUSE
FH1002	1-533-223-11	s	CLIP,FUSE
L1001	⚠ 1-415-967-11	s	COIL, CHOKE 5MMH
R1001	⚠ 1-202-847-00	s	RESISTOR,SOLID 560K 1/2W
VD1001	⚠ 1-801-268-11	s	VARISTOR (TNR14V471K660)

G BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1316-573-A	s	MOUNTED CIRCUIT BOARD, G
C1101	1-117-228-11	s	CAPACITOR,FILM 2.2MF/450V
C1102	1-135-449-11	s	CAPCITOR ELECT 220MF/450V
C1103	1-135-449-11	s	CAPCITOR ELECT 220MF/450V
C1104	1-117-227-11	s	CAPACITOR,PE FILM 1.0MF/450V
C1105	1-137-639-11	s	CAP, METALIZED PE FILM 0.47MF
C1106	1-107-909-11	s	CAPACITOR,ELECT 47MF/50V
C1107	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1108	1-115-340-11	s	CAPACITOR CERAMIC 0.22MF/25V B
C1109	1-163-251-11	s	CAPACITOR CERAMIC 100PF/50V
C1110	1-115-786-11	s	CAPACITOR,ELECT 560MF/25V(105C
C1111	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1112	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1113	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1114	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1115	1-136-479-11	s	CAPACITOR FILM 0.001MF/100V PP
C1116	1-111-066-11	s	CAPACITOR,ELECT 820MF/25V 105
C1117	1-130-495-00	s	CAPACITOR FILM 0.1MF/50V PETP
C1118	1-107-911-11	s	CAPACITOR,ELECT 220MF/50V
C1119	1-126-393-11	s	CAPACITOR ELECT 33MF/10V(CHIP)
C1120	1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C1121	1-137-754-81	s	CAP, METALIZED PP FILM 6800PF
C1122	1-115-743-11	s	CAPACITOR ELECT 3300MF/10V 105
C1123	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C1124	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3
C1125	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1126	1-126-967-11	s	CAPACITOR,ELECT 47MF/50V
C1127	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C1128	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C1129	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1131	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1132	1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C1133	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1135	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1138	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1141	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1145	1-135-341-11	s	CAPACITOR,SOLID ELECT 330MF
C1151	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1155	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1156	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1157	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1158	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1159	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C1160	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1161	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C1162	1-126-391-11	s	CAPACITOR ELECT 47MF/6.3V(105)
C1163	1-126-397-11	s	CAPACITOR ELECT 33MF/25V(CHIP)
C1164	1-126-397-11	s	CAPACITOR ELECT 33MF/25V(CHIP)
C1165	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C1166	1-117-370-11	s	CAPASITER CERAMIC 10MF (3216)
C1167	1-107-889-11	s	CAPACITOR, ELECT 220MF/25V
CN1101	1-564-710-11	o	PIN,CONNECTOR (8P)
CN1102	1-691-960-21	o	PIN, CONNECTOR (PC BOARD) 3P
CN1104	1-691-960-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN1107	1-815-206-21	o	PIN, CONNECTOR 50P
CN1108	1-564-714-11	o	PIN, CONNECTOR (12P)
D1101	8-719-304-63	s	DIODE RM11C (RECTI)
D1102	⚠ 8-719-066-75	s	DIODE D6SB80
D1103	8-719-055-30	s	DIODE D1FS4A-TA

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D1104	8-719-055-30	s	DIODE D1FS4A-TA
D1105	8-719-106-99	s	DIODE RD16M-B3
D1106	8-719-057-96	s	DIODE D10SDC6M-4012
D1107	8-719-073-01	s	DIODE MA111-(K8).S0
D1108	8-719-107-13	s	DIODE RD18M-B1
D1109	8-719-073-01	s	DIODE MA111-(K8).S0
D1110	8-719-510-12	s	DIODE D10SC4M
D1111	8-719-073-01	s	DIODE MA111-(K8).S0
D1112	8-719-073-01	s	DIODE MA111-(K8).S0
D1113	8-719-073-52	s	DIODE D2FS6-TA
D1114	8-719-510-12	s	DIODE D10SC4M
D1115	8-719-073-01	s	DIODE MA111-(K8).S0
D1116	8-719-979-64	s	DIODE UF4005PKG23
D1117	8-719-073-01	s	DIODE MA111-(K8).S0
D1118	8-719-055-30	s	DIODE D1FS4A-TA
D1120	8-719-106-23	s	DIODE RD7.5M-B2
D1121	8-719-118-18	s	DIODE RD39M-B
D1124	8-719-055-30	s	DIODE D1FS4A-TA
D1130	8-719-054-47	s	DIODE D3FS4A-TA
D1132	8-719-073-01	s	DIODE MA111-(K8).S0
D1133	8-719-073-01	s	DIODE MA111-(K8).S0
D1134	8-719-914-43	s	DIODE DAN202K
D1135	8-719-914-43	s	DIODE DAN202K
D1136	8-719-073-01	s	DIODE MA111-(K8).S0
D1137	8-719-914-44	s	DIODE DAP202K (DUAL)
D1138	8-719-022-76	s	DIODE UZM30B
IC1101	8-749-015-27	s	IC MZ1540
IC1102	8-759-670-30	s	IC MCZ3001D
IC1103	8-759-533-85	s	IC L88M05T-FA-TL
IC1104	8-759-533-85	s	IC L88M05T-FA-TL
IC1105	8-759-388-23	s	IC TL431BCDR2
IC1107	8-759-650-38	s	IC LT1374IS8
IC1109	8-759-592-79	s	IC BA00AST
IC1110	8-759-592-79	s	IC BA00AST
IC1111	8-759-066-55	s	IC TA75W393FU
IC1112	8-759-066-55	s	IC TA75W393FU
IC1113	8-759-144-72	s	IC UPC358G2-E2
L1101	1-419-302-11	s	COIL, CHOKE 250UH
L1102	1-419-987-11	s	COIL, CHOKE 1290UH
L1104	1-416-606-11	s	COIL, CHOKE (SMD)
L1105	1-409-579-11	s	COIL, CHOKE 8.2UH
L1106	1-409-579-11	s	COIL, CHOKE 8.2UH
L1107	1-416-948-21	s	COIL, CHOKE (SMD)
PH1101	8-749-010-64	s	PHOTO COUPLER PC123F2
PH1102	8-749-010-64	s	PHOTO COUPLER PC123F2
PH1103	8-749-010-64	s	PHOTO COUPLER PC123F2
Q1101	8-729-101-07	s	TRANSISTOR 2SB798
Q1102	8-729-101-07	s	TRANSISTOR 2SB798
Q1103	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q1104	8-729-049-51	s	TRANSISTOR 2SK2876-01MR-F119
Q1105	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q1106	8-729-049-51	s	TRANSISTOR 2SK2876-01MR-F119
Q1107	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q1108	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q1109	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q1111	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q1112	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q1113	8-729-230-49	s	TRANSISTOR 2SC2712-YG

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q1114	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q1115	1-801-806-11	s	TRANSISTOR DTC144EKA
R1101	⚠ 1-219-363-11	s	RESISTOR, CEMENT 5.6/5W (FUSE)
R1102	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1103	1-219-738-11	s	RES, 0.08 (REGISTOR, METAL)
R1104	1-220-269-11	s	RESISTOR, CHIP 330 1/2W (4532)
R1105	1-220-269-11	s	RESISTOR, CHIP 330 1/2W (4532)
R1106	1-216-063-91	s	RESISTOR,CHIP 3.9K 1/10W(2125)
R1107	1-216-065-91	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1108	1-249-389-11	s	RES,CARBON 4.7 1/4W
R1109	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1110	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R1111	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R1112	1-220-338-11	s	RESISTOR,CHIP 330K 1/2W (4532)
R1113	1-202-933-61	s	RESISTOR, FUSE 0.1 1/2W
R1114	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1115	1-216-095-00	s	RESISTOR, CHIP 82K 1/10W(2012)
R1116	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1117	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1118	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1119	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W(SMALL)
R1120	1-216-681-11	s	RESISTOR,CHIP 18K 1/10W (2012)
R1121	1-216-647-11	s	RESISTOR,CHIP 680 1/10W (2012)
R1122	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R1123	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1124	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1125	1-216-677-11	s	RESISTOR,CHIP 12K 1/10W(2012)
R1126	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1127	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1128	1-216-001-00	s	RESISTOR, CHIP 10 1/10W(2012)
R1129	1-249-401-11	s	RES,CARBON 47 1/4W (SMALL)
R1130	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1131	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1132	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1133	1-216-675-11	s	RESISTOR,CHIP 10K 1/10W(2012)
R1134	1-216-037-00	s	RESISTOR,CHIP 330 1/10W(2012)
R1135	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1136	1-220-993-91	s	RESISTOR,CHIP 0.68 5025
R1137	1-220-993-91	s	RESISTOR,CHIP 0.68 5025
R1138	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1139	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1140	1-216-061-00	s	RESISTOR CHIP 3.3K 1/10W(2012)
R1141	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R1142	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1143	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1144	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1145	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1146	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R1148	1-216-075-00	s	RESISTOR CHIP 12K 1/10W(2012)
R1151	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1152	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1153	1-216-663-11	s	RESISTOR,CHIP 3.3K 1/10W(2012)
R1154	1-216-691-11	s	RESISTOR,CHIP 47K 1/10W(2012)
R1155	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1157	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R1158	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1165	1-216-295-91	s	CONDUCTOR, CHIP (2012)
R1169	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1171	1-216-025-00	s	RESISTOR,CHIP 100 1/10W(2012)

(G BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1173	1-208-819-11	s	RESISTOR,CHIP 36K 1/10W (2125)
R1174	1-208-817-11	s	RESISTOR,CHIP 30K 1/10W (2012)
R1175	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1176	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R1177	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1178	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1179	1-208-819-11	s	RESISTOR,CHIP 36K 1/10W (2125)
R1180	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1181	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R1182	1-208-817-11	s	RESISTOR,CHIP 30K 1/10W (2012)
R1183	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1186	1-216-667-11	s	RESISTOR,CHIP 4.7K 1/10W(2012)
R1187	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R1188	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R1189	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1190	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R1191	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1192	1-216-075-00	s	RESISTOR CHIP 12K 1/10W(2012)
R1193	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1194	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1195	1-216-057-00	s	RESISTOR CHIP 2.2K 1/10W(2012)
R1196	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1197	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1198	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1199	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1200	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1201	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1202	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1203	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1204	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1205	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1206	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1207	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1208	1-216-085-00	s	RESISTOR CHIP 33K 1/10W(2012)
R1209	1-216-081-00	s	RESISTOR,CHIP 22K 1/10W(2012)
R1210	1-216-109-00	s	RESISTOR CHIP 330K 1/10W(2012)
R1211	1-216-109-00	s	RESISTOR CHIP 330K 1/10W(2012)
R1212	1-216-295-91	s	CONDUCTOR, CHIP (2012)
RY2101 ⚠	1-755-275-11	s	RELAY, AC POWER (12V)
T1101	1-437-301-11	s	TRANSFORMER, CONVERTER (PIT)

GA BOARD (FOR VPL-PX15)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1316-581-A	s	MOUNTED CIRCUIT BOARD, GA
C1501	1-135-342-11	s	CAPACITOR,SOLID ELECT 56MF
C1502	1-135-342-11	s	CAPACITOR,SOLID ELECT 56MF
C1503	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C1504	1-135-342-11	s	CAPACITOR,SOLID ELECT 56MF
C1505	1-135-342-11	s	CAPACITOR,SOLID ELECT 56MF
C1506	1-135-342-11	s	CAPACITOR,SOLID ELECT 56MF
C1507	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C1508	1-135-342-11	s	CAPACITOR,SOLID ELECT 56MF
C1510	1-125-838-11	s	CAPACITOR, CERAMIC 2.2MF/6.3V
C1514	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C1515	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C1516	1-115-339-11	s	CAPACITOR,CERAMIC 0.1MF/50V
C1517	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C1518	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
C1519	1-115-154-11	s	CAPACITOR ELECT 10MF/16V(BP)
CN1501	1-564-710-11	o	PIN,CONNECTOR (8P)
CN1502	1-564-710-11	o	PIN,CONNECTOR (8P)
CN1503	1-564-705-11	o	PIN,CONNECTOR (3P)
D1501	8-719-055-30	s	DIODE D1FS4A-TA
D1502	8-719-055-30	s	DIODE D1FS4A-TA
D1505	8-719-157-94	s	DIODE RD3.3SB
IC1501	8-759-485-63	s	IC MAX1626ESA-TE2
IC1502	8-759-485-63	s	IC MAX1626ESA-TE2
IC1503	8-759-349-46	s	IC TLC339CPW (E05)
L1501	1-409-579-11	s	COIL, CHOKE 8.2UH
L1502	1-416-865-11	s	COIL, CHOKE
L1503	1-409-579-11	s	COIL, CHOKE 8.2UH
L1504	1-416-865-11	s	COIL, CHOKE
Q1501	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q1502	8-729-048-69	s	TRANSISTOR 2SJ530S-TL
Q1503	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q1505	1-801-806-11	s	TRANSISTOR DTC144EKA
R1501	1-216-089-91	s	RESISTOR, CHIP 47K 1/10W(2012)
R1502	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R1503	1-216-049-11	s	RESISTOR, CHIP 1K 1/10W(2012)
R1504	1-240-217-11	s	RESISTOR,SQURE TYPE 15M
R1505	1-240-217-11	s	RESISTOR,SQURE TYPE 15M
R1509	1-216-069-00	s	RESISTOR,CHIP 6.8K 1/10W(2012)
R1510	1-218-818-11	s	RESISTOR, CHIP 220 1/2W (4532)
R1512	1-220-221-11	s	RESISTOR CHIP 100 1/2W (4532)
R1514	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1515	1-216-041-00	s	RESISTOR, CHIP 470 1/10W(2012)
R1516	1-216-093-00	s	RESISTOR, CHIP 68K 1/10W(2012)
R1517	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1518	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1519	1-216-101-00	s	RESISTOR CHIP 150K 1/10W(2012)
R1520	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1521	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1522	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1523	1-216-097-00	s	RESISTOR CHIP 100K 1/10W(2012)
R1524	1-216-105-91	s	RESISTOR,CHIP 220K 1/10W(2125)
R1525	1-220-274-11	s	RESISTOR,CHIP 1.2K 1/2W (4532)

H BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1375-222-A	s	MOUNTED CIRCUIT BOARD, H
C601	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN10	1-774-261-11	o	CONNECTOR, FFC (ZIF) 24P
D601	8-719-045-61	s	DIODE SEC1901C
D602	8-719-045-61	s	DIODE SEC1901C
D603	8-719-045-53	s	DIODE SEC1801C
D604	8-719-941-86	s	DIODE DAN202U
D605	8-719-941-86	s	DIODE DAN202U
D606	8-719-941-86	s	DIODE DAN202U
D607	8-719-941-86	s	DIODE DAN202U
D608	8-719-045-51	s	DIODE SEC2422C
D609	8-719-941-09	s	DIODE DAP202U
D610	8-719-941-09	s	DIODE DAP202U
D611	8-719-941-09	s	DIODE DAP202U
D612	8-719-941-09	s	DIODE DAP202U
Q601	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R603	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R604	1-216-838-11	s	RESISTOR CHIP 27K 1/16W(1608)
R605	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R606	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R607	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R608	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16W(1608)
R609	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R610	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R611	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R612	1-216-838-11	s	RESISTOR CHIP 27K 1/16W(1608)
R613	1-216-834-11	s	RESISTOR,CHIP 12K 1/16W 1608
R614	1-216-831-11	s	RESISTOR,CHIP 6.8K 1/16W(1608)
R615	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R616	1-216-826-11	s	RESISTOR,CHIP 2.7K 1/16W(1608)
R617	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R618	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R619	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R620	1-216-815-11	s	RESISTOR,CHIP 330 1/16W 1608
S601	1-771-105-11	s	SWITCH, TACTILE
S602	1-771-105-11	s	SWITCH, TACTILE
S603	1-771-105-11	s	SWITCH, TACTILE
S604	1-771-105-11	s	SWITCH, TACTILE
S605	1-771-105-11	s	SWITCH, TACTILE
S606	1-771-105-11	s	SWITCH, TACTILE
S607	1-771-105-11	s	SWITCH, TACTILE
S608	1-771-105-11	s	SWITCH, TACTILE
S609	1-771-105-11	s	SWITCH, TACTILE
S610	1-771-105-11	s	SWITCH, TACTILE
S611	1-771-105-11	s	SWITCH, TACTILE
S612	1-771-105-11	s	SWITCH, TACTILE
S613	1-771-105-11	s	SWITCH, TACTILE

NF BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1391-126-A	s	MOUNTED CIRCUIT BOARD, NF
C071	1-127-573-11	s	CAPACITOR,CERAMIC 1MFB(2012)
CN15	1-691-550-11	s	PIN,CONNECTOR (3P)(SMD)(1.5MM)
IC071	8-749-012-17	s	IC RS-140-T
R071	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R072	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608

QA BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1275-201-A	s	MOUNTED CIRCUIT BOARD, QA
C100	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C101	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C102	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C103	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C104	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C105	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C200	1-124-778-00	s	CAPACITOR,ELECT 22MF/6.3V
C201	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C202	1-124-778-00	s	CAPACITOR,ELECT 22MF/6.3V
C203	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C204	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C205	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C206	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C207	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C208	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C209	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C210	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C211	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C212	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C213	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C214	1-164-227-11	s	CAP.CERAMIC 22000PF 10% 25V
C215	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C216	1-126-206-11	s	CAPACITOR, ELECT 100MF/6.3V
C217	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C218	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C219	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C220	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C221	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C222	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C223	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C224	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C225	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C226	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C227	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C228	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C229	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C230	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C231	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C232	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
CN20	1-793-798-21	o	CONNECTOR, BOARD TO BOARD
CN21	1-784-292-11	s	CONNECTOR, MINIATURE DIN 4P
CN200	1-794-081-11	s	CONNECTOR, ROUND TYPE
D100	8-719-036-94	s	DIODE RD5.6SB-T1
D101	8-719-036-94	s	DIODE RD5.6SB-T1
D103	8-719-036-94	s	DIODE RD5.6SB-T1
D104	8-719-158-37	s	DIODE RD9.1SB2
D105	8-719-158-37	s	DIODE RD9.1SB2
D200	8-719-058-24	s	DIODE RB501V-40TE17
D201	8-719-058-24	s	DIODE RB501V-40TE17
D202	8-719-914-43	s	DIODE DAN202K
D203	8-719-422-12	s	DIODE MA8039
D204	8-719-422-12	s	DIODE MA8039
D205	8-719-036-94	s	DIODE RD5.6SB-T1
D206	8-719-036-94	s	DIODE RD5.6SB-T1
D207	8-719-422-12	s	DIODE MA8039
D209	8-719-036-94	s	DIODE RD5.6SB-T1

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D210	8-719-422-12	s	DIODE MA8039
D211	8-719-058-24	s	DIODE RB501V-40TE17
D212	8-719-058-24	s	DIODE RB501V-40TE17
D213	8-719-058-24	s	DIODE RB501V-40TE17
D214	8-719-036-94	s	DIODE RD5.6SB-T1
FB200	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB201	1-500-451-11	s	MICRO INDUCTOR (CHIP) 41P750S
FB202	1-469-185-11	s	INDUCTOR, FERRITE BEAD
FB203	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB204	1-469-185-11	s	INDUCTOR, FERRITE BEAD
FB205	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB206	1-469-185-11	s	INDUCTOR, FERRITE BEAD
FB207	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB208	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB209	1-414-234-11	s	INDUCTOR,FERRITE BEAD
FB210	1-469-185-11	s	INDUCTOR, FERRITE BEAD
FB211	1-414-234-11	s	INDUCTOR,FERRITE BEAD
IC200	8-759-713-00	s	IC ST72T631K4M1-XX
IC201	8-759-655-55	s	IC UPD72012GB-003-3B4
IC202	8-759-699-27	s	IC MAX890LESA-TG068
IC203	8-759-582-91	s	IC S-80842ANNP-ED6-T2
IC204	8-759-697-26	s	IC RCV4-A1T-MASK-25
J100	1-794-014-11	s	PIN, JACK (VIDEO)
J101	1-566-822-21	s	JACK (AV-AUDIO)
J200	1-793-994-11	s	CONNECTOR, USB
J201	1-779-677-11	s	CONNECTOR, USB (B)
L100	1-412-363-11	s	FERRITE, EMI (SMD)
L101	1-412-363-11	s	FERRITE, EMI (SMD)
L102	1-412-363-11	s	FERRITE, EMI (SMD)
L103	1-412-363-11	s	FERRITE, EMI (SMD)
L104	1-412-363-11	s	FERRITE, EMI (SMD)
Q100	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q101	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q102	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q200	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q201	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q202	8-729-230-49	s	TRANSISTOR 2SC2712-YG
Q203	1-801-806-11	s	TRANSISTOR DTC144EKA
Q204	1-801-806-11	s	TRANSISTOR DTC144EKA
Q205	1-801-806-11	s	TRANSISTOR DTC144EKA
Q206	1-801-806-11	s	TRANSISTOR DTC144EKA
Q207	1-801-806-11	s	TRANSISTOR DTC144EKA
Q208	1-801-806-11	s	TRANSISTOR DTC144EKA
Q209	1-801-806-11	s	TRANSISTOR DTC144EKA
R100	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R101	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R102	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R103	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R104	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R105	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R106	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R107	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R108	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R109	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R110	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R111	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R112	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R113	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R114	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R115	1-216-631-11	s	RESISTOR,CHIP 150 1/10W (2012)
R116	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R117	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R118	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R119	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R200	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R201	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R202	1-216-836-11	s	RESISTOR, CHIP 18K 1/16W 1608
R204	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R205	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R206	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R207	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R208	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R209	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R210	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R211	1-216-857-11	s	RESISTOR,CHIP 1M 1/16W(1608)
R212	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R213	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R214	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R215	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R216	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R217	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R218	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R220	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R221	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R222	1-216-845-11	s	RES.CHIP 100K 5% 1/16W
R223	1-216-864-11	s	CONDUCTOR. CHIP 0
R224	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R225	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R226	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R227	1-218-699-11	s	RESISTOR,CHIP 2.0K 1/16W(1608)
R228	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R229	1-216-839-11	s	RESISTOR,CHIP 33K 1/16W 1608
R230	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R231	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R232	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R233	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R234	1-216-799-11	s	RESISTOR, CHIP 15 1/16W 1608
R235	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R236	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R237	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R238	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R239	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R240	1-216-835-11	s	RESISTOR,CHIP 15K 1/16W
R241	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R242	1-216-805-11	s	RESISTOR,CHIP 47 1/16W 1608
R243	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R244	1-216-857-11	s	RESISTOR,CHIP 1M 1/16W(1608)
R245	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R246	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R247	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R248	1-216-828-11	s	RESISTOR, CHIP 3.9K 1/16W 1608
R249	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R250	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R251	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R252	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R253	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R256	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R257	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)

(QA BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R258	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R259	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R260	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
X200	1-781-163-11	s	VIBRATOR, OSCILLATOR
X201	1-767-340-11	s	VIBRATOR, CRYSTAL
X202	1-781-163-11	s	VIBRATOR, OSCILLATOR

QB BOARD (FOR VPL-PX15)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1275-209-A	s	MOUNTED CIRCUIT BOARD, QB
C302	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C303	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C304	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C305	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C306	1-115-566-11	s	CAPACITOR,CERAMIC 4.7MF B/6.3V
C307	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C308	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C309	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C310	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C311	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C312	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C313	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C314	1-126-204-11	s	CAPACITOR, ELECT 47MF/16V(CHIP
C315	1-126-395-11	s	CAPACITOR,ELECT 22MF/16V(CHIP)
C316	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C317	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C319	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C400	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C401	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C402	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C403	1-162-927-11	s	CAPACITOR,CERAMIC 100PF/50V CH
C405	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C406	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C407	1-162-921-11	s	CAPACITOR,CERAMIC 33PF/50V CH
C408	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C409	1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C410	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C411	1-109-994-11	s	CAPACITOR,CHIP CERAMIC 2.2MF B
C412	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C413	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C414	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C415	1-164-004-11	s	CAPACITOR,CERAMIC 0.1MF/25V
C701	1-127-760-11	s	CAPACITOR,CERAMIC 4.7MF/6.3V
C702	1-127-760-11	s	CAPACITOR,CERAMIC 4.7MF/6.3V
C703	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C704	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C705	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C706	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C707	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C708	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C709	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C710	1-109-982-11	s	CAPACITOR,CHIP CERAMIC 1MF/10V
C711	1-127-760-11	s	CAPACITOR,CERAMIC 4.7MF/6.3V
C712	1-126-396-11	s	CAPACITOR,ELECT 47MF/16V(CHIP)
C713	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C714	1-127-760-11	s	CAPACITOR,CERAMIC 4.7MF/6.3V
C715	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C716	1-115-467-11	s	CAPACITOR CERAMIC 0.22MF/10V B
C717	1-117-681-11	s	CAPACITOR, ELECT 100MF/16V
C718	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C719	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C720	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C721	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C722	1-124-779-00	s	CAPACITOR,ELECT 10MF/16V
C723	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C724	1-163-809-11	s	CAPACITOR,CHIP CERAMIC 0.047MF
C725	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C726	1-126-205-11	s	CAPACITOR,ELECT 47M/6.3

Ref. No. or Q'ty	Part No.	SP	Description
CN12	1-770-621-21	s	PIN, CONNECTOR 4P
CN31	1-785-306-21	o	CONNECTOR, BOARD TO BOARD
CN32	1-580-056-21	o	PIN,CONNECTOR 3P
CN33	1-779-268-21	o	PIN, CONNECTOR (11P)(SMD)(1.5M
CN302	1-784-828-11	s	CONNECTOR, D SUB
D300	8-719-914-43	s	DIODE DAN202K
D301	8-719-073-11	s	DIODE BZA456A
D302	8-719-800-76	s	DIODE 1SS226
D303	8-719-024-77	s	DIODE HN1D03FU-TE85L
D304	8-719-914-43	s	DIODE DAN202K
D305	8-719-800-76	s	DIODE 1SS226
D306	8-719-914-43	s	DIODE DAN202K
D307	8-719-800-76	s	DIODE 1SS226
D308	8-719-158-37	s	DIODE RD9.1SB2
D309	8-719-158-37	s	DIODE RD9.1SB2
D403	8-719-914-43	s	DIODE DAN202K
D404	8-719-914-44	s	DIODE DAP202K (DUAL)
D405	8-719-158-37	s	DIODE RD9.1SB2
IC300	8-759-082-61	s	IC TC4W53FU
IC301	8-759-082-61	s	IC TC4W53FU
IC400	8-759-837-47	s	IC SN-IRMF2-A0T-OTP
IC402	6-700-325-11	s	IC RCV5-A2T-OTP
IC403	8-759-285-61	s	IC PC74HC123D-T
IC701	8-759-702-02	s	IC NJM062M
IC702	8-759-702-02	s	IC NJM062M
IC703	8-752-091-06	s	IC CXA1846BN-T4
J300	1-566-822-21	s	JACK (AUDIO)
J400	1-695-473-11	s	JACK (EARPHONE)
L301	1-414-753-91	s	INDUCTOR 4.7UH
L302	1-412-363-11	s	FERRITE, EMI (SMD)
L303	1-412-363-11	s	FERRITE, EMI (SMD)
L400	1-412-363-11	s	FERRITE, EMI (SMD)
L401	1-412-363-11	s	FERRITE, EMI (SMD)
L402	1-412-363-11	s	FERRITE, EMI (SMD)
L403	1-412-363-11	s	FERRITE, EMI (SMD)
L701	1-412-028-11	s	INDUCTOR,CHIP 4.7UH (3225)
L702	1-412-028-11	s	INDUCTOR,CHIP 4.7UH (3225)
Q300	8-729-027-58	s	TRANSISTOR DTC143ZKA-T146
Q301	8-729-027-58	s	TRANSISTOR DTC143ZKA-T146
Q302	8-729-027-58	s	TRANSISTOR DTC143ZKA-T146
Q303	1-801-806-11	s	TRANSISTOR DTC144EKA
Q400	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q401	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q402	1-801-806-11	s	TRANSISTOR DTC144EKA
Q403	1-801-806-11	s	TRANSISTOR DTC144EKA
Q404	1-801-806-11	s	TRANSISTOR DTC144EKA
Q405	1-801-806-11	s	TRANSISTOR DTC144EKA
Q406	1-801-806-11	s	TRANSISTOR DTC144EKA
Q407	1-801-806-11	s	TRANSISTOR DTC144EKA
Q408	1-801-806-11	s	TRANSISTOR DTC144EKA
Q701	8-729-907-00	s	TRANSISTOR DTC114EU
Q702	8-729-907-00	s	TRANSISTOR DTC114EU
Q703	8-729-216-22	s	TRANSISTOR 2SA1162-G
Q704	8-729-230-49	s	TRANSISTOR 2SC2712-YG
R300	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R301	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R302	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R303	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)

(QB BOARD) (FOR VPL-PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R304	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R305	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R306	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R307	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R308	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R309	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R310	1-218-672-11	s	RESISTOR,CHIP 150 1/16W(1608)
R311	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R312	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R314	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R315	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R316	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R318	1-216-864-11	s	CONDUCTOR, CHIP (1608)
R321	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R323	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R324	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R326	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R329	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R332	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R333	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R335	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R350	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R352	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R358	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R359	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R400	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R401	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R402	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R403	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R404	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R405	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R408	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R409	1-216-857-11	s	RESISTOR,CHIP 1M 1/16W(1608)
R410	1-218-665-11	s	RESISTOR,CHIP 75 1/16W (1608)
R411	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R412	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R413	1-216-796-11	s	RESISTOR,CHIP 8.2 1/16W 1608
R414	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R415	1-216-837-11	s	RESISTOR,CHIP 22K 1/16W 1608
R416	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R417	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R418	1-216-830-11	s	RESISTOR,CHIP 5.6K 1/16W 1608
R419	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R420	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R421	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R422	1-216-793-11	s	RESISTOR,CHIP 4.7 1/16W 1608
R423	1-216-825-11	s	RESISTOR,CHIP 2.2K 1/16W 1608
R424	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R425	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R426	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R427	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R428	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R429	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R430	1-216-821-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R431	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R432	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R433	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R434	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R435	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R436	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608

(QB BOARD) (FOR VPL-PX15)

Ref. No. or Q'ty	Part No.	SP	Description
R437	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R701	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R702	1-218-446-11	s	RESISTOR,CHIP 1 (1608)
R703	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R704	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R705	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R706	1-216-814-11	s	RESISTOR,CHIP 270 1/16W 1608
R710	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R711	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R712	1-218-446-11	s	RESISTOR,CHIP 1 (1608)
R713	1-216-841-11	s	RESISTOR, CHIP 47K 1/16W 1608
R714	1-216-824-11	s	RESISTOR, CHIP 1.8K 1/16W 1608
R715	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R719	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R720	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R721	1-216-809-11	s	RESISTOR,CHIP 100 1/16W 1608
R722	1-216-823-11	s	RESISTOR, CHIP 1.5K 1/16W
R723	1-216-827-11	s	RESISTOR, CHIP 3.3K 1/16W 1608
R724	1-216-845-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R725	1-216-833-11	s	RESISTOR,CHIP 10K 1/16W (1608)
R726	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R727	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R728	1-216-829-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R729	1-216-814-11	s	RESISTOR,CHIP 270 1/16W 1608
R730	1-216-842-11	s	RESISTOR,CHIP 56K 1/16W(1608)
RY300	1-755-384-21	s	RELAY
RY301	1-755-384-21	s	RELAY
RY302	1-755-384-21	s	RELAY
X400	1-781-163-11	s	VIBRATOR, OSCILLATOR

QC BOARD (FOR VPL-PX15 J)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1275-211-A	s	MOUNTED CIRCUIT BOARD, QC
1pc	1-761-392-21	s	PRINTED WIRING BOARD, MICON
1pc	1-815-229-21	s	CONNECTOR, CARD
1pc	1-796-014-11	s	COMPACT FLASH CARD
1pc	1-815-920-11	s	JACK, MODULAR
			BATTERY, LITHIUM (CR1220)

QC BOARD (FOR VPL-PX15 WORLD)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1275-210-A	s	MOUNTED CIRCUIT BOARD, QC
1pc	1-761-392-21	s	PRINTED WIRING BOARD, MICON
1pc	1-815-229-21	s	CONNECTOR, CARD
1pc	1-796-014-11	s	COMPACT FLASH CARD
1pc	1-815-920-11	s	JACK, MODULAR
			BATTERY, LITHIUM (CR1220)

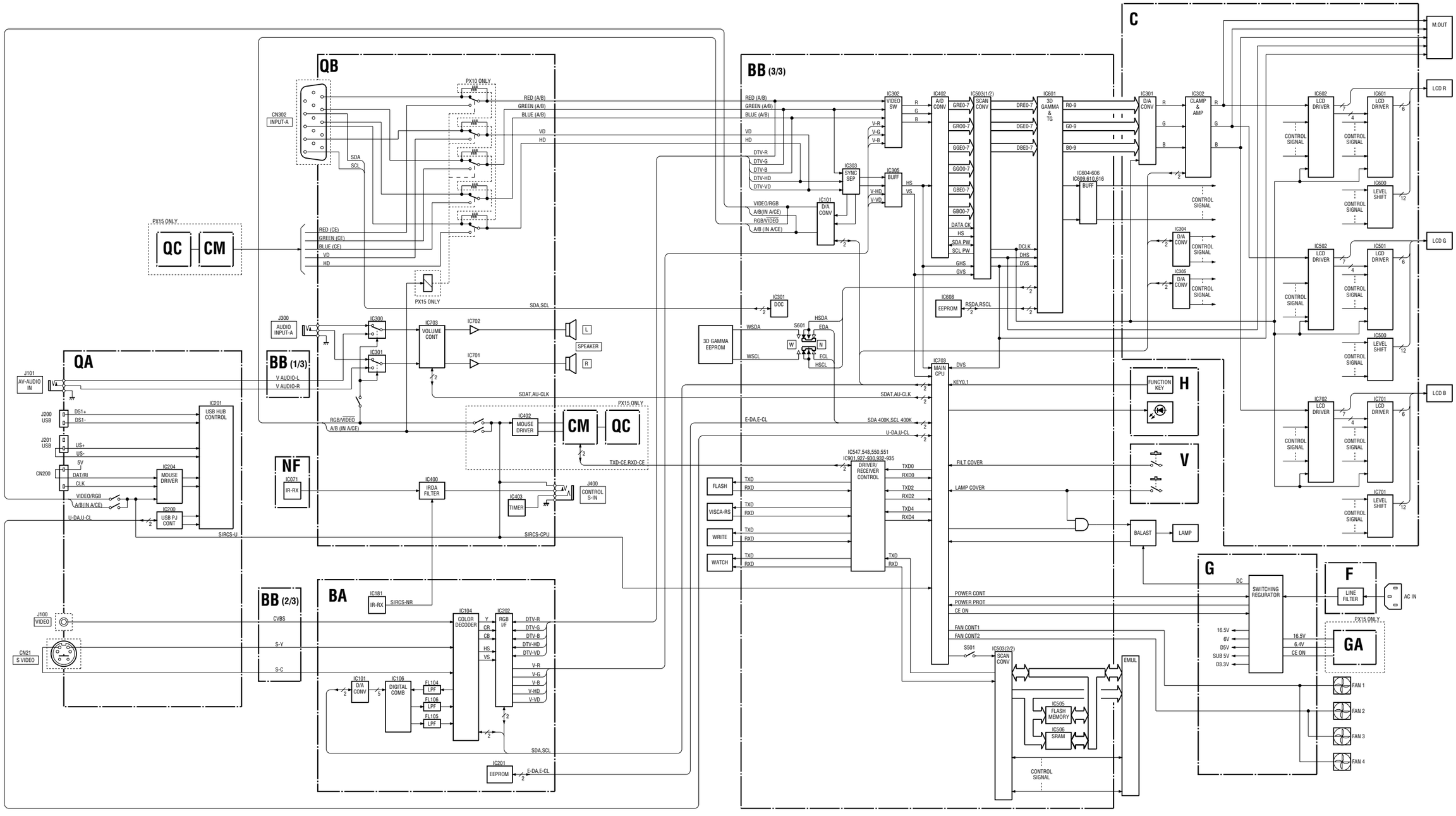
V BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-1342-606-A	s	MOUNTED CIRCUIT BOARD, V
CN16	1-573-290-21	s	PIN,CONNECTOR (4P)(SMD)(1.5MM)
S10	1-570-504-11	s	SWITCH,MICRO
S11	1-570-504-11	s	SWITCH,MICRO

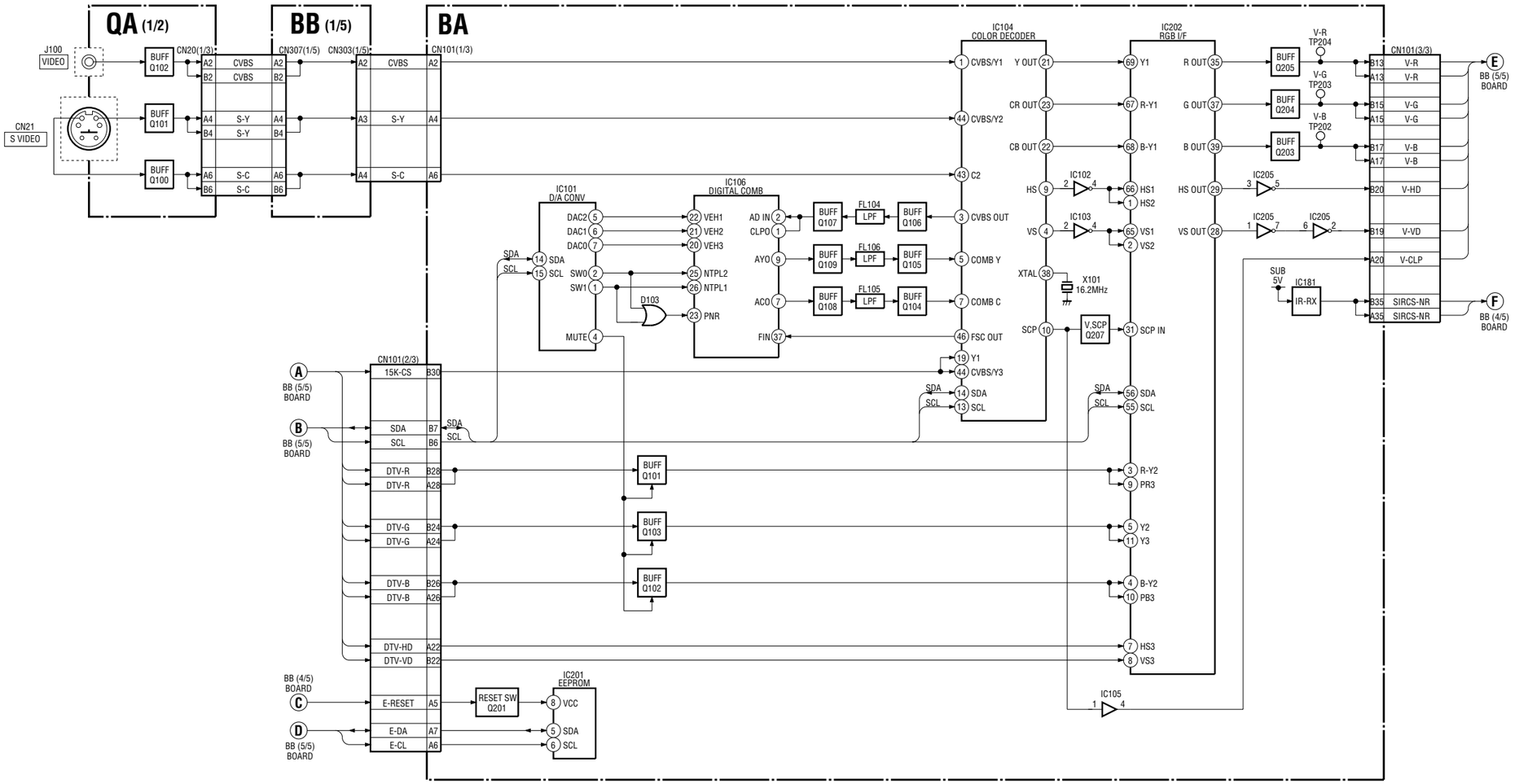
ACCESSORIES

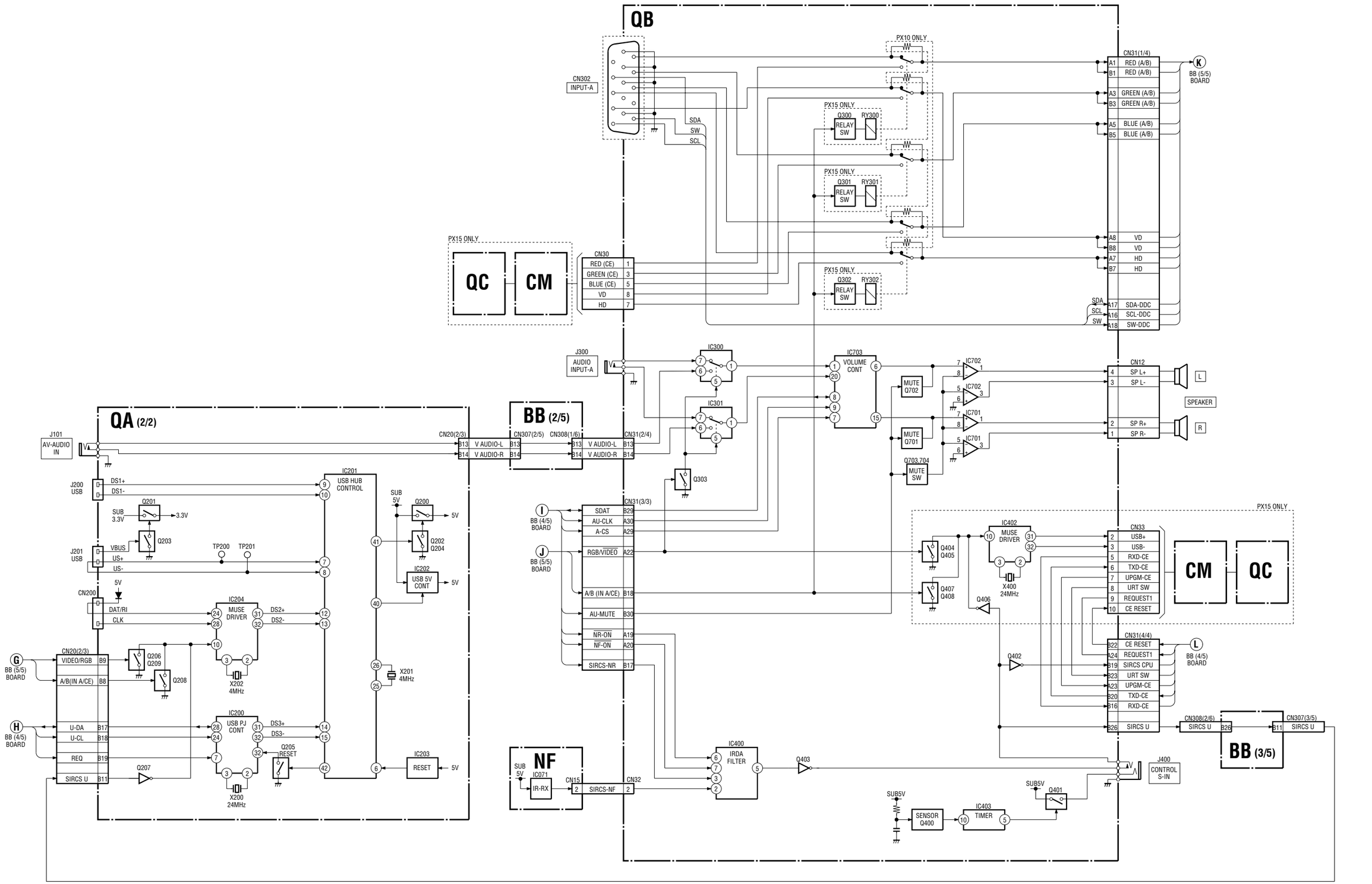
Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-476-743-11	s	REMOTE COMMANDER (RM-PJM15) (VPL-PX10/PX15)
1pc	9-885-010-98	s	COVER, BATTERY (FOR REMOTE COMMANDER) (VPL-PX10/PX15)
1pc	1-476-556-11	s	REMOTE COMMANDER (RM-PJM11) (VPL-PS10)
1pc	9-885-005-85	s	COVER, BATTERY (FOR REMOTE COMMANDER) (VPL-PS10)
1pc	1-790-081-11	s	CABLE, USB
1pc	1-791-992-21	s	CABLE ASSY (15P D SUBX2)
1pc	1-792-424-11	s	CORD, CONNECTION (PS2)
1pc	4-083-534-01	o	OPERATING INSTRUCTION (JAPANESE, SIMPLIFIED CHINESE)
1pc	4-083-534-11	o	OPERATING INSTRUCTION (ENGLISH, FRENCH, SPANISH)
1pc	4-083-534-21	o	OPERATING INSTRUCTION (GERMAN ITALIAN)
1pc	⚠		CORD, POWER (See Section 2, 2-2-19 Power Cord)
1pc	4-084-128-01	o	INSTALLATION MANUAL FOR DEALER (JAPANESE, ENGLISH, FRENCH, SPANISH,GERMAN,ITALIAN, SIMPLIFIED CHINESE)
1pc	4-080-676-41	o	OPERATING INSTRUCTIONS (FOR NW) (VPL-PX15)(JAPANESE, ENGLISH, FRENCH,SPANISH,GERMAN,ITALIAN, SIMPLIFIED CHINESE)
	VPLL-CT10		
	4-084-808-01	o	MANUAL, INSTRUCTION (JAPANESE, ENGLISH, FRENCH, SPANISH,GERMAN,ITALIAN, SIMPLIFIED CHINESE)
	4-085-233-01	o	LENS CAP (CT)
	VPLL-CW10		
	4-084-806-01	o	MANUAL, INSTRUCTION (JAPANESE, ENGLISH, FRENCH, SPANISH,GERMAN,ITALIAN, SIMPLIFIED CHINESE)
	4-085-232-01	o	LENS CAP (CW)

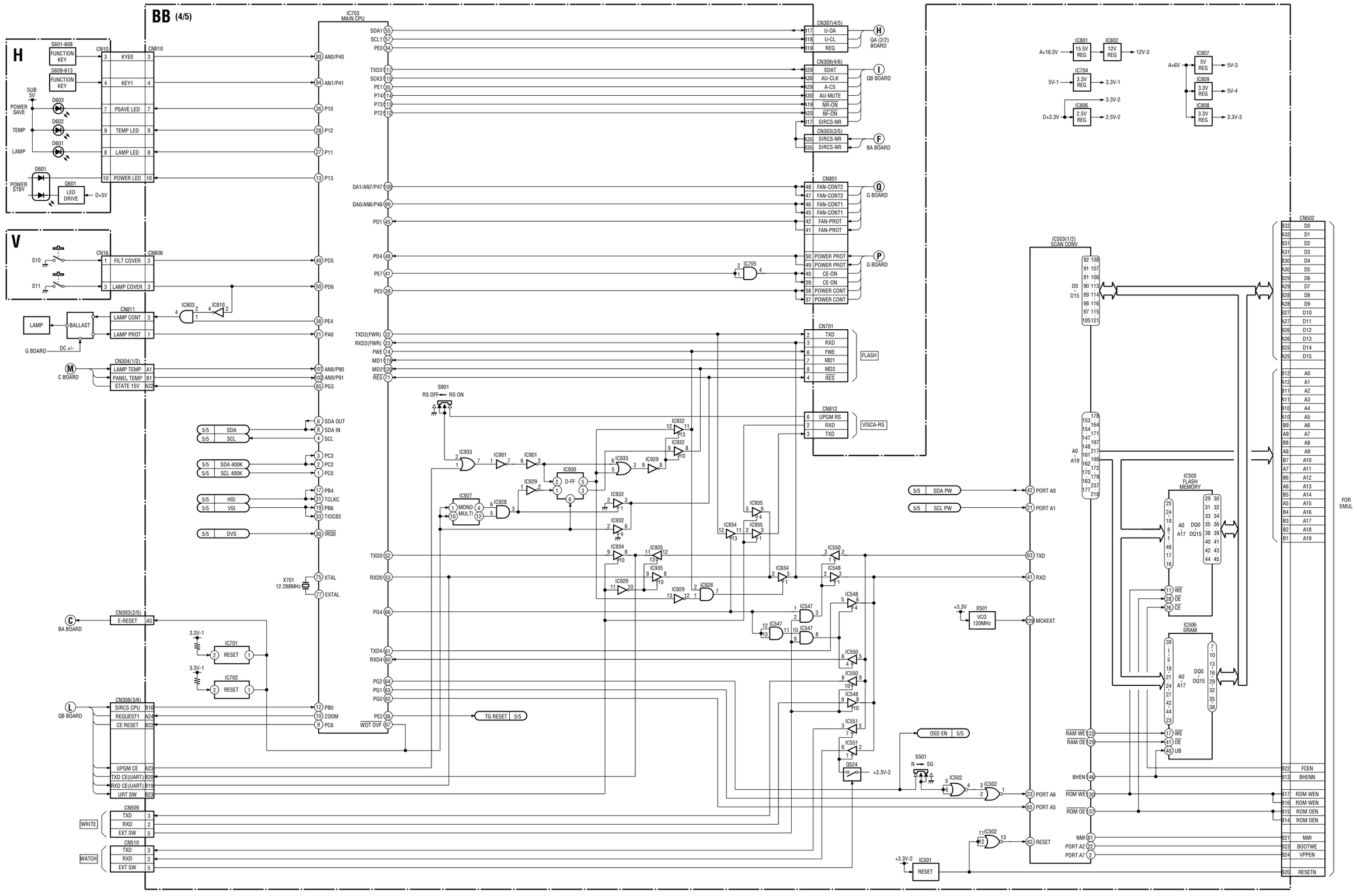
Section 6
Block Diagrams



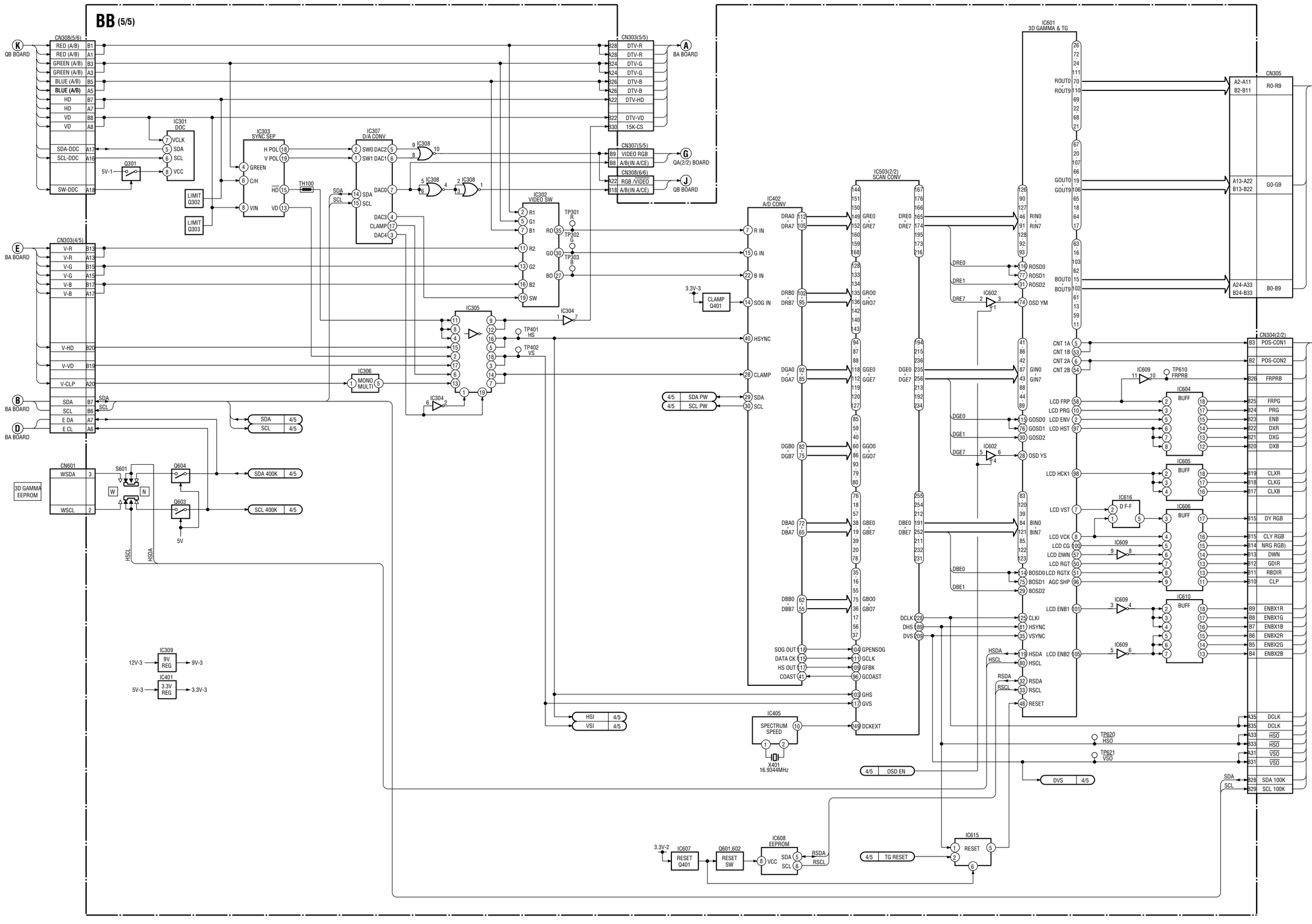
BA, BB (1/5), QA (1/2)

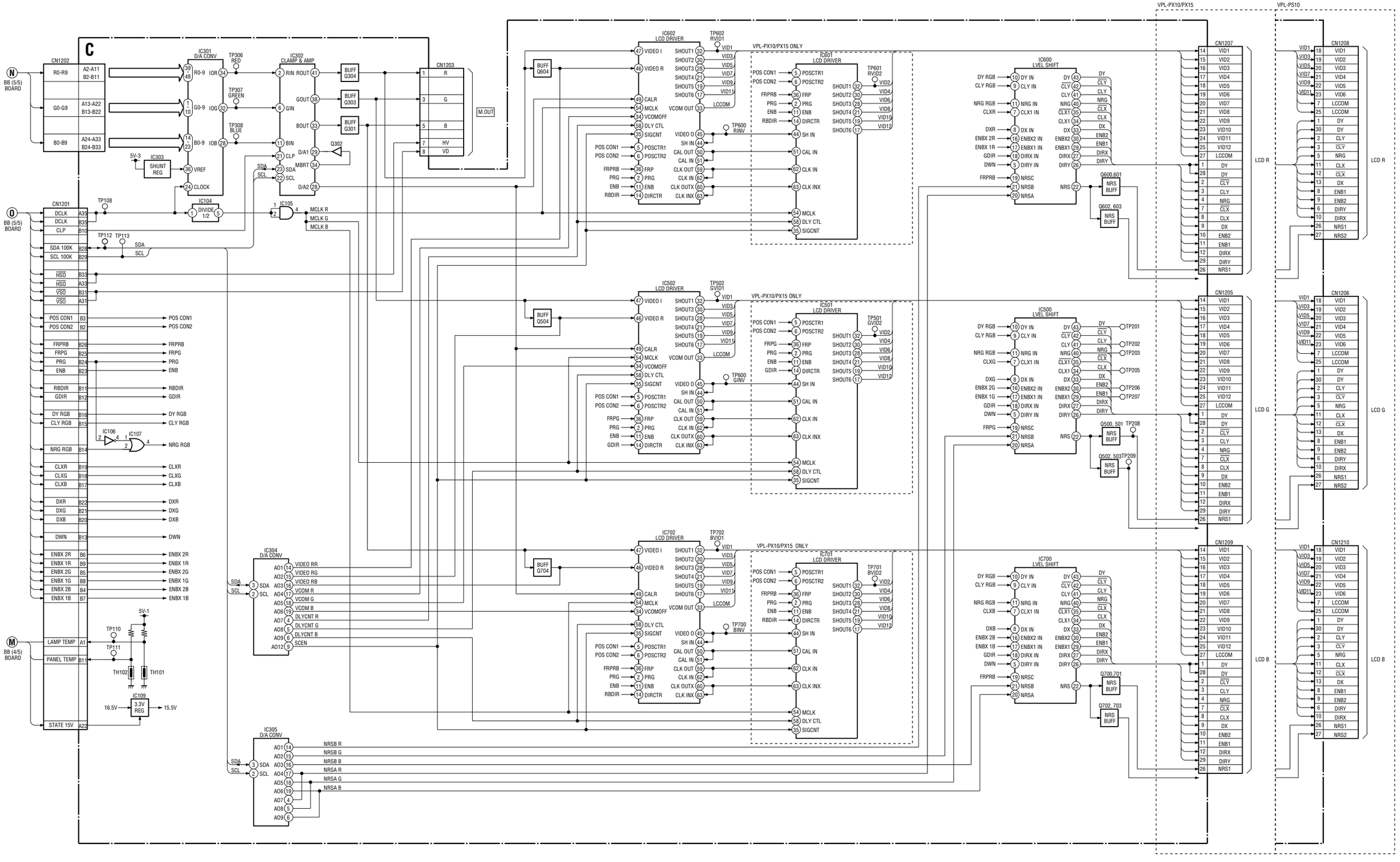

QA (1/2)
BB (1/5)
BA
J100
VIDEO
CN21
S VIDEO
BUFF Q102
BUFF Q101
BUFF Q100
CN20(1/3)
CN307(1/5)
CN303(1/5)
CN101(1/3)
CVBS
S-Y
S-C
IC104
COLOR DECODER
IC202
RGB I/F
IC101
D/A CONV
IC106
DIGITAL COMB
IC102
IC103
IC205
X101
16.2MHz
V.SCP Q207
SCP IN
IC181
IR-RX
V-R TP204
V-G TP203
V-B TP202
CN101(3/3)
BB (5/5) BOARD
BB (4/5) BOARD
CN101(2/3)
15K-CS
SDA
SCL
DTV-R
DTV-G
DTV-B
DTV-HD
DTV-VD
E-RESET
E-DA
E-CL
BUFF Q101
BUFF Q103
BUFF Q102
IC201
EEPROM
RESET SW Q201
IC105
CVBS/Y1
CVBS/Y2
C2
CVBS OUT
COMB Y
COMB C
FSC OUT
Y1
CVBS/Y3
R-Y2
PR3
Y2
Y3
B-Y2
PB3
HS3
VS3
Y1
R-Y1
B-Y1
HS1
HS2
VS1
VS2
V-R
V-G
V-B
V-HD
V-VD
V-CLP
SIRCS-NR

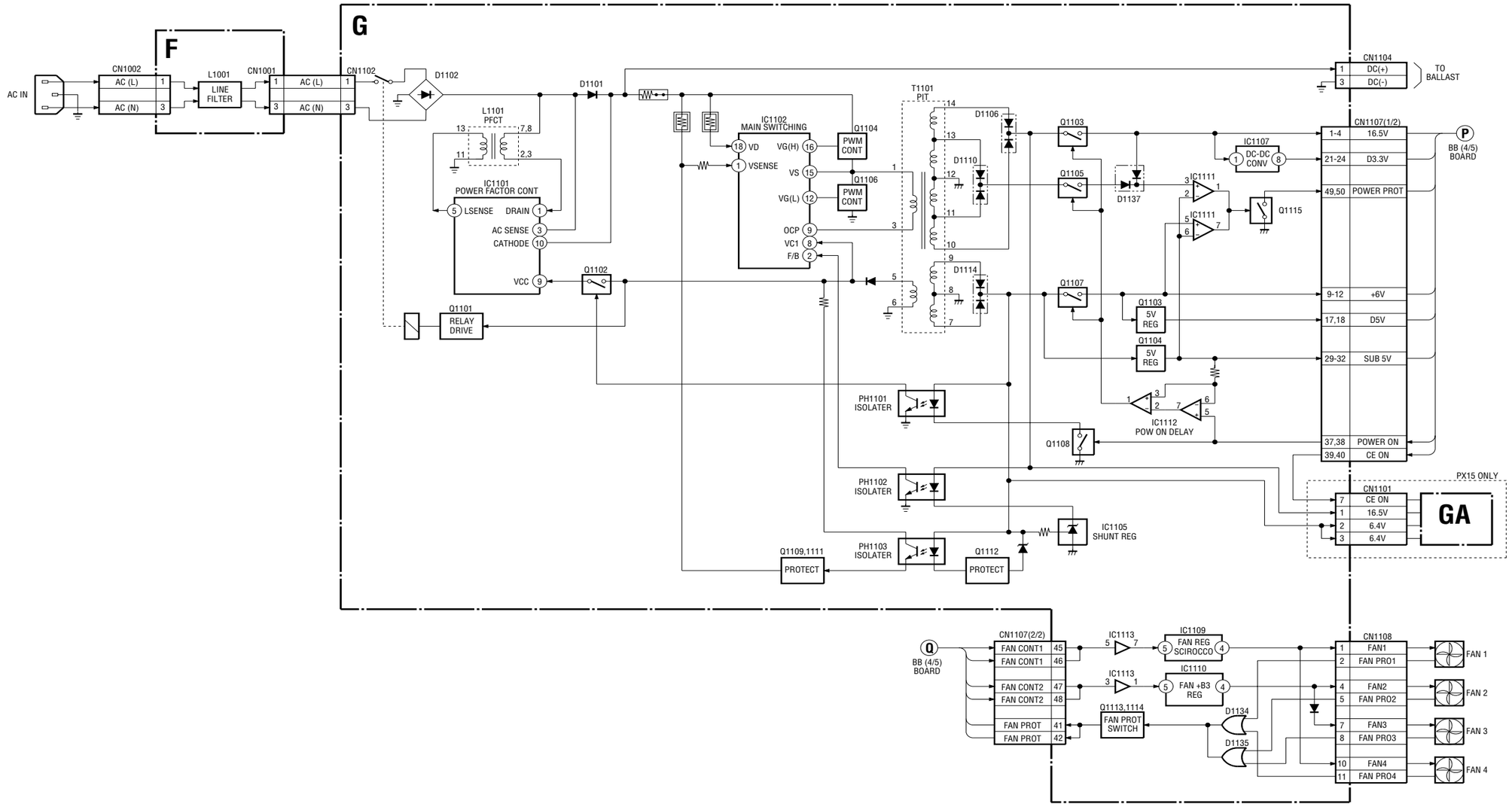

QB
CN302 INPUT-A
SDA
SW
SCL
PX10 ONLY
PX15 ONLY
Q300 RELAY SW
RY300
Q301
RY301
Q302
RY302
CN31(1/4)
A1 RED (A/B)
B1 RED (A/B)
A3 GREEN (A/B)
B3 GREEN (A/B)
A5 BLUE (A/B)
B5 BLUE (A/B)
A8 VD
B8 VD
A7 HD
B7 HD
A17 SDA-DDC
A16 SCL-DDC
A18 SW-DDC
BB (5/5) BOARD
PX15 ONLY
QC
CM
CN30
RED (CE) 1
GREEN (CE) 3
BLUE (CE) 5
VD 8
HD 7
J300 AUDIO INPUT-A
IC300
IC301
IC703 VOLUME CONT
MUTE Q702
MUTE Q701
Q703,704 MUTE SW
IC702
IC701
CN12
4 SP L+
3 SP L-
2 SP R+
1 SP R-
L
R
SPEAKER
QA (2/2)
J101 AV-AUDIO IN
CN20(2/3)
B13 V AUDIO-L
B14 V AUDIO-R
BB (2/5)
CN307(2/5)
CN308(1/6)
CN31(2/4)
Q303
J200 USB
DS1+
DS1-
IC201 USB HUB CONTROL
SUB 3.3V
Q201
3.3V
Q203
J201 USB
VBUS
US+
US-
TP200
TP201
SUB 5V
Q200
5V
Q202 Q204
IC202 USB 5V CONT
CN200
DAT/RI
CLK
IC204 MUSE DRIVER
DS2+
DS2-
X202 4MHz
X201 4MHz
G BB (5/5) BOARD
VIDEO/RGB B9
A/B(IN A/CE) B8
Q206 Q209
Q208
H BB (4/5) BOARD
U-DA B17
U-CL B18
REQ B19
SIRCS U B11
IC200 USB PJ CONT
DS3+
DS3-
Q205 RESET
Q207
X200 24MHz
IC203 RESET
I BB (4/5) BOARD
J BB (5/5) BOARD
CN31(3/3)
SDAT B29
AU-CLK A30
A-CS A29
RGB/VIDEO A22
A/B (IN A/CE) B18
AU-MUTE B30
NR-ON A19
NF-ON A20
SIRCS-NR B17
PX15 ONLY
IC402 MUSE DRIVER
Q404 Q405
Q407 Q408
X400 24MHz
Q406
CN33
2 USB+
3 USB-
5 RXD-CE
6 TXD-CE
7 UPGM-CE
8 URT SW
9 REQUEST1
10 CE RESET
CM
QC
CN31(4/4)
A22 CE RESET
A24 REQUEST1
A19 SIRCS CPU
A23 URT SW
A23 UPGM-CE
A20 TXD-CE
A16 RXD-CE
A26 SIRCS U
L BB (4/5) BOARD
Q402
CN308(2/6) SIRCS U B26
CN307(3/5) SIRCS U B11
BB (3/5)
J400 CONTROL S-IN
NF
SUB 5V
IC071 IR-RX
CN15
CN32
SIRCS-NF 2
IC400 IRDA FILTER
Q403
SUB5V
Q401
SUB5V
SENSOR Q400
IC403 TIMER


BB (4/5)
H
V
IC703 MAIN CPU
CN810
CN806
CN307(4/5)
CN308(4/6)
CN303(3/5)
CN801
CN701
CN812
CN303(2/5)
CN308(3/6)
CN509
CN510
CN304(1/2)
CN811
CN16
S601-608 FUNCTION KEY
S609-613 FUNCTION KEY
SUB 5V
POWER SAVE
TEMP
LAMP
POWER STBY
D603
D602
D601
Q601
LED DRIVE
D+5V
S10
S11
LAMP
BALLAST
G BOARD
DC +/-
C BOARD
LAMP TEMP
PANEL TEMP
STATE 15V
SDA
SCL
SDA 400K
SCL 400K
HSI
VSI
DVS
SDA OUT
SDA IN
X701 12.288MHz
XTAL
EXTAL
E-RESET
BA BOARD
IC701 RESET
IC702 RESET
3.3V-1
REQUEST1
CE RESET
UPGM CE
TXD CE(UART)
RXD CE(UART)
URT SW
WRITE
WATCH
TXD
RXD
EXT SW
S901
RS OFF
RS ON
IC927 MONO MULTI
IC928
IC929
IC930 D-FF
IC932
IC933
IC934
IC935
IC901
IC803
IC810
IC705
IC547
IC548
IC550
IC551
Q524
+3.3V-2
TG RESET 5/5
WDT OVF
U-DA
U-CL
REQ
QA (2/2) BOARD
SDAT
AU-CLK
A-CS
AU-MUTE
NR-ON
NF-ON
SIRCS-NR
QB BOARD
BA BOARD
FAN-CONT2
FAN-CONT1
FAN-PROT
G BOARD
POWER PROT
CE-ON
POWER CONT
TXD
RXD
RES
FLASH
UPGM RS
VISCA-RS
S501
N SG
OSD EN 5/5
SDA PW
SCL PW
X501 VCO 120MHz
MCKEXT
IC502
IC501 RESET
PORT A0
PORT A1
PORT A6
PORT A5
RESET
IC801 15.5V REG
IC802 12V REG
IC704 3.3V REG
IC806 2.5V REG
IC807 5V REG
IC809 3.3V REG
IC808 3.3V REG
A+16.5V
12V-3
5V-1
3.3V-1
3.3V-2
D+3.3V
2.5V-2
A+6V
5V-3
5V-4
3.3V-3
IC503(1/2) SCAN CONV
D0 - D15
A0 - A19
IC505 FLASH MEMORY
IC506 SRAM
DQ0 - DQ15
RAM WE
RAM OE
BHEN
ROM WE
ROM OE
NMI
PORT A2
PORT A7
CN502
FOR EMUL
FCEN
BHENN
ROM WEN
ROM OEN
BOOTWE
VPPEN
RESETN

BB (5/5)


CN308(5/6)
RED (A/B) B1
RED (A/B) A1
GREEN (A/B) B3
GREEN (A/B) A3
BLUE (A/B) B5
BLUE (A/B) A5
HD B7
HD A7
VD B8
VD A8
SDA-DDC A17
SCL-DDC A16
SW-DDC A18
QB BOARD
IC301 DDC
VCLK
SDA
SCL
VCC
Q301
5V-1
LIMIT Q302
LIMIT Q303
IC303 SYNC SEP
H POL
V POL
GREEN
C/H
VIN
HD
VD
TH100
IC307 D/A CONV
SW0 DAC2
SW1 DAC1
DAC0
DAC3
CLAMP
DAC4
IC308
IC302 VIDEO SW
R1
G1
B1
R2
G2
B2
SW
RO
GO
BO
TP301 R
TP302 G
TP303 B
CN303(5/5)
DTV-R
DTV-R
DTV-G
DTV-G
DTV-B
DTV-B
DTV-HD
DTV-VD
15K-CS
BA BOARD
CN307(5/5)
VIDEO RGB
A/B(IN A/CE)
QA(2/2) BOARD
CN308(6/6)
RGB /VIDEO
A/B(IN A/CE)
QB BOARD
CN303(4/5)
V-R B13
V-R A13
V-G B15
V-G A15
V-B B17
V-B A17
V-HD B20
V-VD B19
V-CLP A20
SDA B7
SCL B6
E DA A7
E CL A6
BA BOARD
D BA BOARD
IC305
IC306 MONO MULTI
IC304
TP401 HS
TP402 VS
SDA 4/5
SCL 4/5
CN601
WSDA 3
WSCL 2
3D GAMMA EEPROM
S601
W
N
Q604
Q603
SDA 400K 4/5
SCL 400K 4/5
5V
HSCL
HSDA
IC309 9V REG
12V-3
9V-3
IC401 3.3V REG
5V-3
3.3V-3
IC402 A/D CONV
R IN
G IN
B IN
SOG IN
HSYNC
CLAMP
SDA
SCL
3.3V-3
CLAMP Q401
4/5 SDA PW
4/5 SCL PW
IC503(2/2) SCAN CONV
GRE0
GRE7
GRO0
GRO7
DGA0
DGA7
GGE0
GGE7
GGO0
GGO7
DGB0
DGB7
GBE0
GBE7
GBO0
GBO7
SOG OUT
DATA CK
HS OUT
COAST
GPENSOG
GCLK
GFBK
GCOAST
GHS
GVS
DCKEXT
HSI 4/5
VSI 4/5
IC405 SPECTRUM SPEED
X401 16.9344MHz
IC601 3D GAMMA & TG
RIN0
RIN7
GIN0
GIN7
BIN0
BIN7
ROSD0
ROSD1
ROSD2
GOSD0
GOSD1
GOSD2
BOSD0
BOSD1
BOSD2
OSD YM
OSD YS
CLKI
HSYNC
VSYNC
HSDA
HSCL
RSDA
RSCL
RESET
IC602
IC615 RESET
4/5 TG RESET
4/5 OSD EN
IC607 RESET Q401
Q601,602 RESET SW
IC608 EEPROM
VCC
SDA
SCL
CN305
ROUT0
ROUT9
GOUT0
GOUT9
BOUT0
BOUT9
A2-A11 R0-R9
B2-B11
A13-A22 G0-G9
B13-B22
A24-A33 B0-B9
B24-B33
C BOARD
CN304(2/2)
POS-CON1
POS-CON2
FRPRB
FRPG
PRG
ENB
DXR
DXG
DXB
CLXR
CLKG
CLXB
DY RGB
CLY RGB
NRG RGB)
DWN
GDIR
RBDIR
CLP
ENBX1R
ENBX1G
ENBX1B
ENBX2R
ENBX2G
ENBX2B
DCLK
DCLK
HSO
HSO
VSO
VSO
SDA 100K
SCL 100K
O BOARD
CNT 1A
CNT 1B
CNT 2A
CNT 2B
IC609
TP610 FRPRB
IC604 BUFF
IC605 BUFF
IC606 BUFF
IC610 BUFF
IC616 D F-F
LCD FRP
LCD PRG
LCD ENV
LCD HST
LCD HCK1
LCD VST
LCD VCK
LCD CG
LCD DWN
LCD RGT
LCD RGTX
AGC SHP
LCD ENB1
LCD ENB2
TP620 HSO
TP621 VSO
DVS 4/5


C
VPL-PX10/PX15
VPL-PS10
CN1202
R0-R9
G0-G9
B0-B9
A2-A11
B2-B11
A13-A22
B13-B22
A24-A33
B24-B33
BB (5/5) BOARD
IC301 D/A CONV
IC302 CLAMP & AMP
TP306 RED
TP307 GREEN
TP308 BLUE
IOR
IOG
IOB
RIN
GIN
BIN
ROUT
GOUT
BOUT
BUFF Q304
BUFF Q303
BUFF Q301
D/A1
D/A2
MBRT
Q302
CLP
SDA
SCL
VREF
CLOCK
5V-3
IC303 SHUNT REG
IC104 DIVIDE 1/2
IC105
MCLK R
MCLK G
MCLK B
CN1203
R
G
B
HV
VD
M.OUT
CN1201
DCLK
DCLK
CLP
SDA 100K
SCL 100K
HSO
HSO
VSO
VSO
TP108
TP112
TP113
POS CON1
POS CON2
FRPRB
FRPG
PRG
ENB
RBDIR
GDIR
DY RGB
CLY RGB
NRG RGB
CLXR
CLXG
CLXB
DXR
DXG
DXB
DWN
ENBX 2R
ENBX 1R
ENBX 2G
ENBX 1G
ENBX 2B
ENBX 1B
IC106
IC107
LAMP TEMP
PANEL TEMP
STATE 15V
TP110
TP111
TH102
TH101
5V-1
IC109 3.3V REG
16.5V
15.5V
IC602 LCD DRIVER
TP602 RVID1
VPL-PX10/PX15 ONLY
IC601 LCD DRIVER
TP601 RVID2
TP600 RINV
BUFF Q604
IC502 LCD DRIVER
TP502 GVID1
IC501 LCD DRIVER
TP501 GVID2
TP600 GINV
BUFF Q504
IC702 LCD DRIVER
TP702 BVID1
IC701 LCD DRIVER
TP701 BVID2
TP700 BINV
BUFF Q704
IC304 D/A CONV
IC305 D/A CONV
VIDEO RR
VIDEO RG
VIDEO RB
VCOM R
VCOM G
VCOM B
DLYCNT R
DLYCNT G
DLYCNT B
SCEN
NRSB R
NRSB G
NRSB B
NRSA R
NRSA G
NRSA B
IC600 LVEL SHIFT
IC500 LVEL SHIFT
IC700 LVEL SHIFT
Q600,601
Q602, 603
Q500, 501
Q502, 503
Q700,701
Q702, 703
NRS BUFF
TP208
TP209
TP201
TP202
TP203
TP205
TP206
TP207
CN1207
CN1205
CN1209
CN1208
CN1206
CN1210
LCD R
LCD G
LCD B


F
G
AC IN
CN1002
AC (L) 1
AC (N) 3
L1001
LINE FILTER
CN1001
1 AC (L) 1
3 AC (N) 3
CN1102
D1102
D1101
L1101
PFCT
13
7,8
11
2,3
IC1101
POWER FACTOR CONT
5 LSENSE
DRAIN 1
AC SENSE 3
CATHODE 10
VCC 9
Q1102
Q1101
RELAY DRIVE
IC1102
MAIN SWITCHING
18 VD
1 VSENSE
VG(H) 16
VS 15
VG(L) 12
OCP 9
VC1 8
F/B 2
Q1104
PWM CONT
Q1106
PWM CONT
T1101
PIT
14
13
12
11
10
9
8
7
1
3
5
6
D1106
D1110
D1114
Q1103
Q1105
Q1107
D1137
IC1107
DC-DC CONV
1
8
IC1111
IC1111
Q1115
Q1103
5V REG
Q1104
5V REG
IC1112
POW ON DELAY
Q1108
PH1101
ISOLATER
PH1102
ISOLATER
PH1103
ISOLATER
IC1105
SHUNT REG
Q1109,1111
PROTECT
Q1112
PROTECT
CN1104
1 DC(+)
3 DC(-)
TO BALLAST
CN1107(1/2)
1-4 16.5V
21-24 D3.3V
49,50 POWER PROT
9-12 +6V
17,18 D5V
29-32 SUB 5V
37,38 POWER ON
39,40 CE ON
P
BB (4/5) BOARD
PX15 ONLY
CN1101
7 CE ON
1 16.5V
2 6.4V
3 6.4V
GA
Q
BB (4/5) BOARD
CN1107(2/2)
FAN CONT1 45
FAN CONT1 46
FAN CONT2 47
FAN CONT2 48
FAN PROT 41
FAN PROT 42
IC1113
IC1113
Q1113,1114
FAN PROT SWITCH
IC1109
FAN REG SCIROCCO
IC1110
FAN +B3 REG
D1134
D1135
CN1108
1 FAN1
2 FAN PRO1
4 FAN2
5 FAN PRO2
7 FAN3
8 FAN PRO3
10 FAN4
11 FAN PRO4
FAN 1
FAN 2
FAN 3
FAN 4

Section 7
Diagrams

Note:

- Parts marked " * " differ according to the model/destination. Refer to the mount table for each function.
- The parts marked " # " on schematic diagrams are not mounted.
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
- : fusible resistor
- : nonflammable resistor
- Δ : internal component
- : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
	※	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

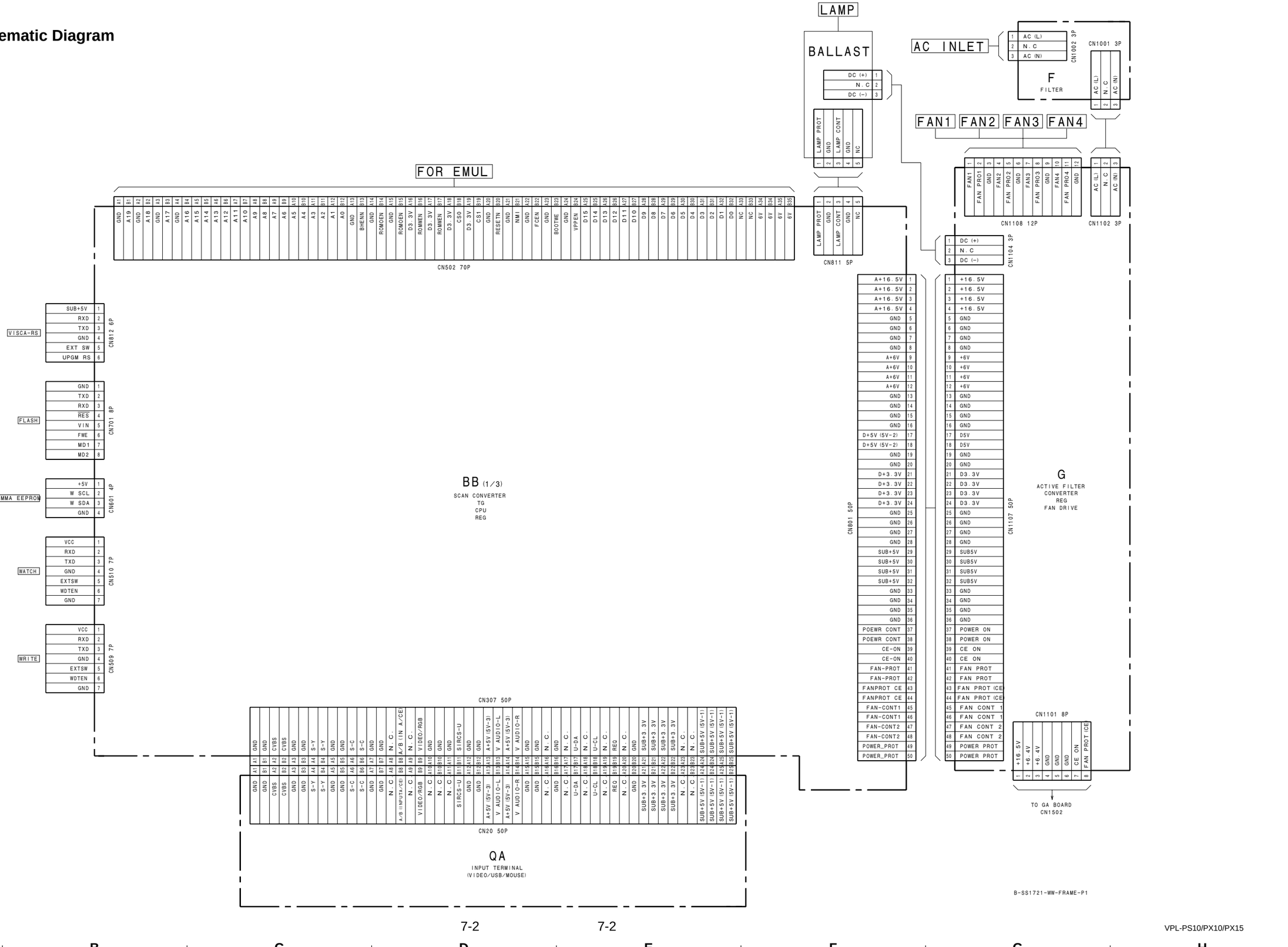
[Measuring conditions, voltage and waveform]

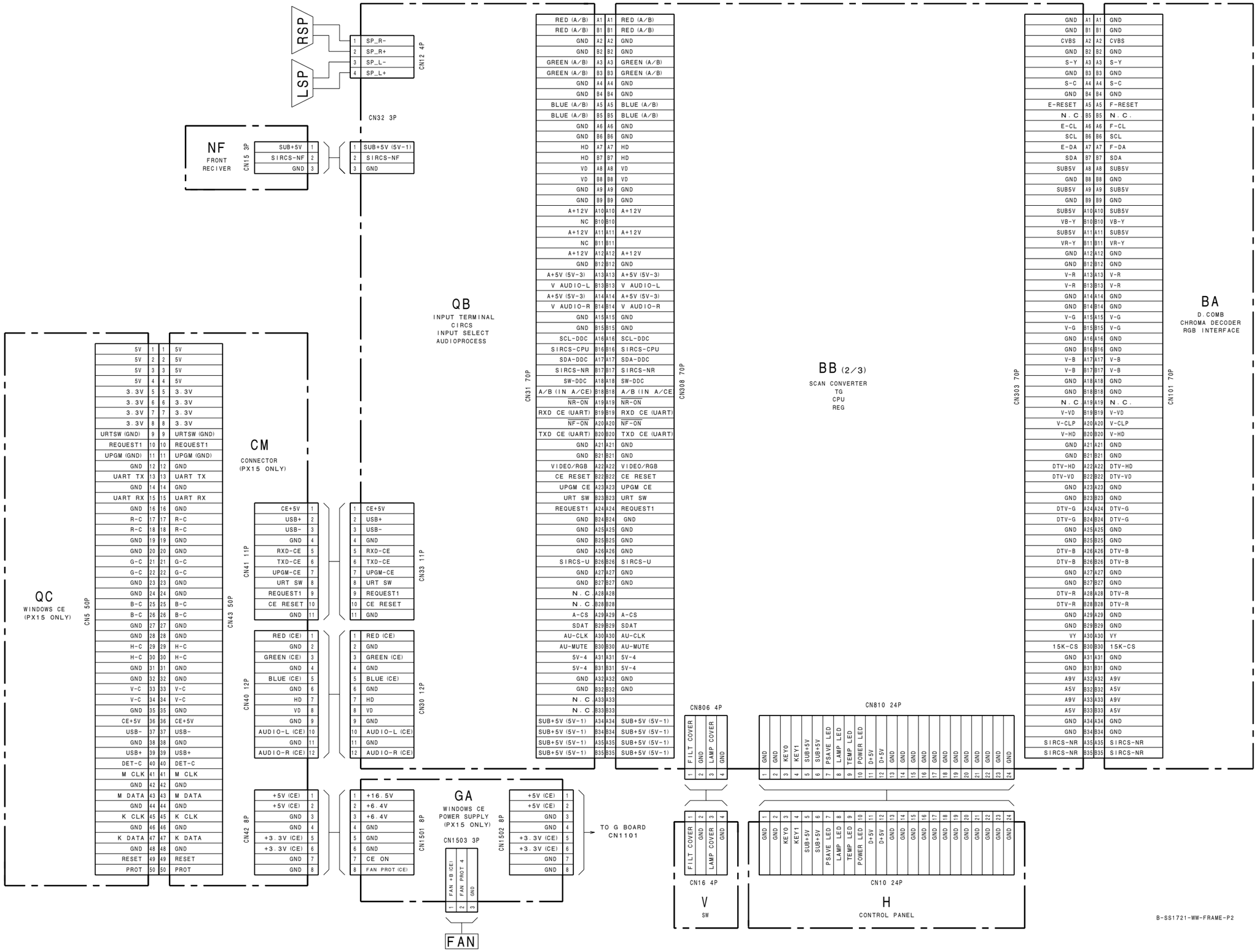
- A voltage value is the reference value between the measurement point and the earth, when the RGB color bar signal is received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- Unit of voltage is V (volt).
  (Voltage variations may occur due to normal production tolerances.)
- : B line
- No mark : RGB color bar signal.
- The marking shown by parenthesis ( ) indicates model VPL-PS10.
- : Signal path.

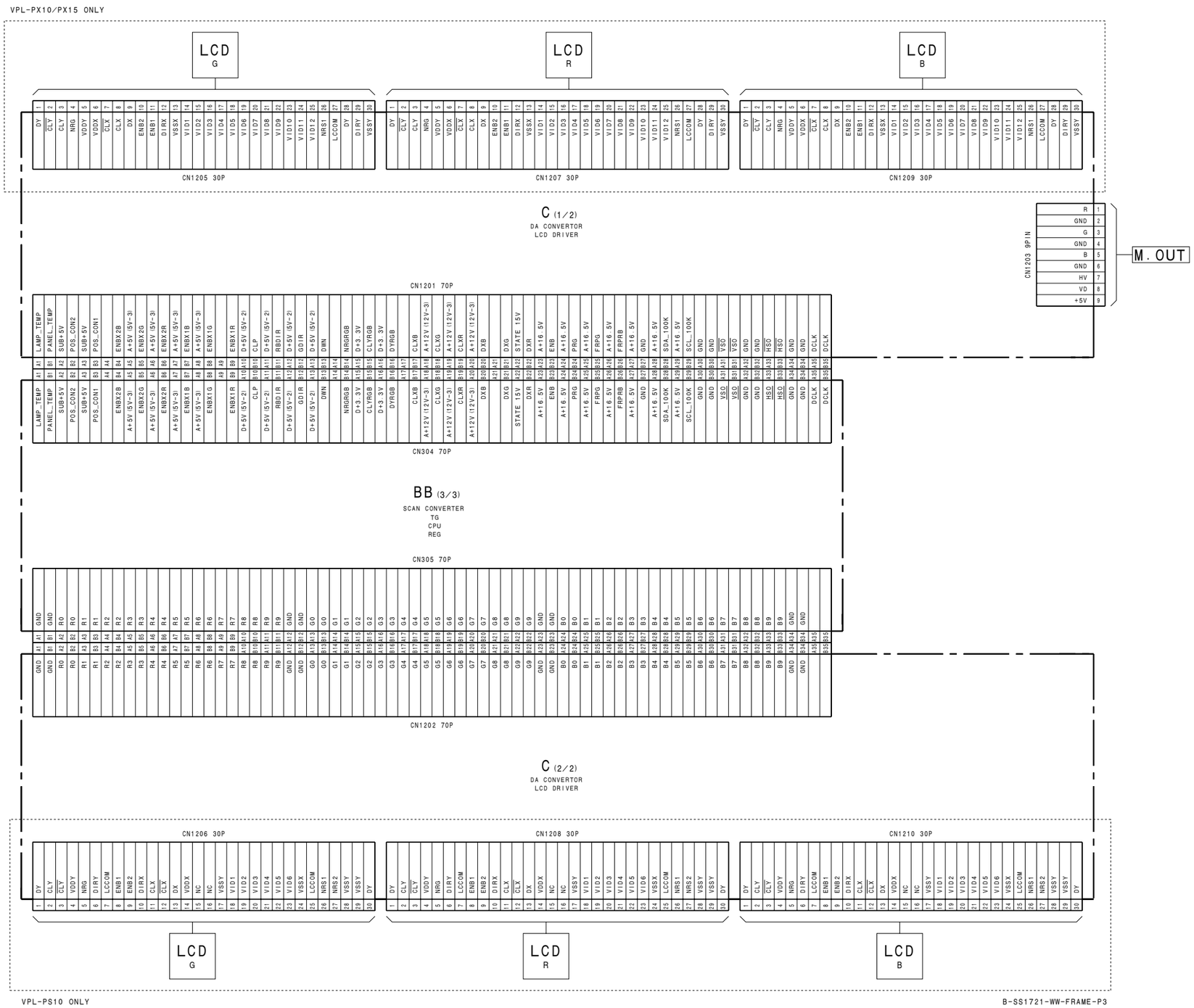
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

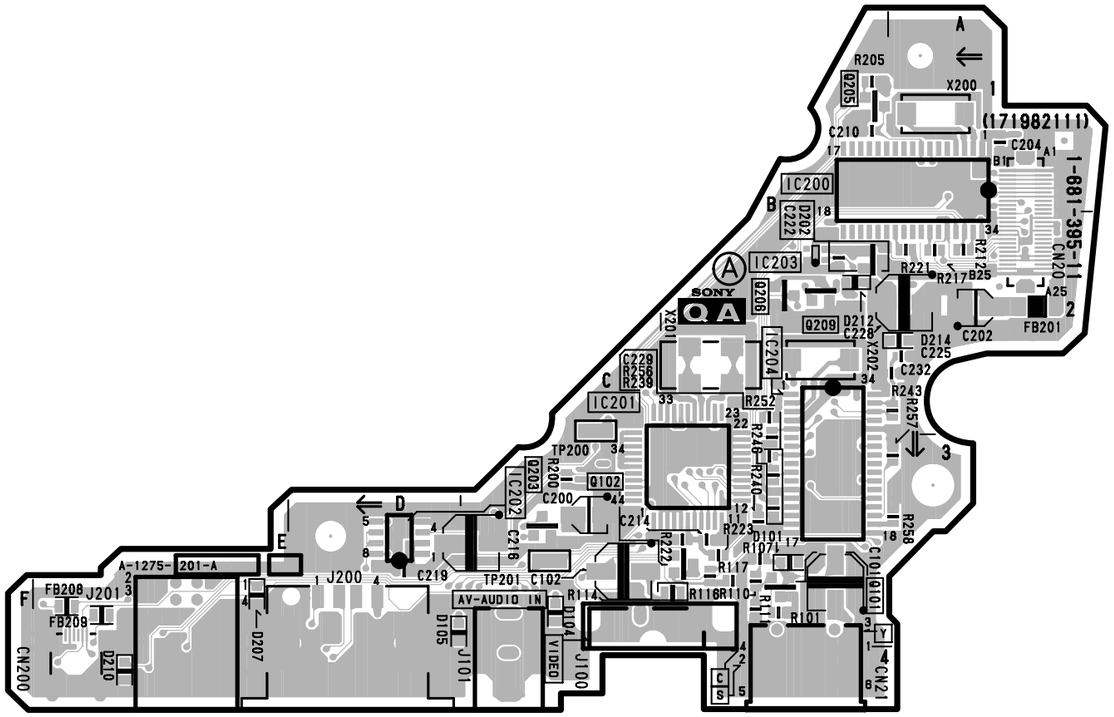
7-1. Frame Schematic Diagram

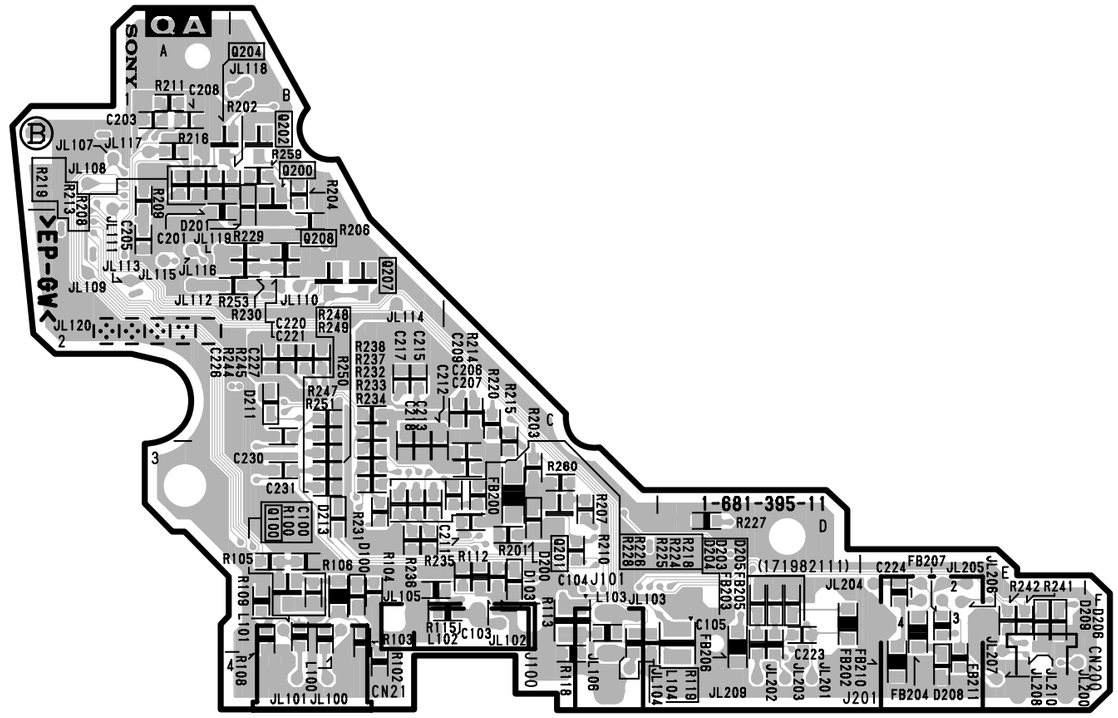

LAMP
BALLAST
DC (+) 1
N.C 2
DC (-) 3
LAMP PROT
GND
LAMP CONT
GND
NC
AC INLET
1 AC (L)
2 N.C
3 AC (N)
CN1002 3P
CN1001 3P
F
FILTER
AC (L)
N.C
AC (N)
FAN1 FAN2 FAN3 FAN4
FAN1
FAN PRO1
GND
FAN2
FAN PRO2
GND
FAN3
FAN PRO3
GND
FAN4
FAN PRO4
GND
CN1108 12P
CN1102 3P
FOR EMUL
GND A1 A19 GND A18 GND A17 GND A16 A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 GND BHENN GND ROMOEN GND ROMOEN D3.3V ROMWEN D3.3V ROMWEN D3.3V CS0 D3.3V CS1 GND RESETN GND NMI GND FCEN GND BOOTWE GND VPPEN D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4 D3 D2 D1 D0 NC NC 6V 6V 6V 6V
CN502 70P
CN811 5P
CN1104 3P
DC (+)
N.C
DC (-)
SUB+5V RXD TXD GND EXT SW UPGM RS
VISCA-RS
CN812 6P
GND TXD RXD RES VIN FWE MD1 MD2
FLASH
CN701 8P
+5V W SCL W SDA GND
3D GAMMA EEPROM
CN601 4P
VCC RXD TXD GND EXTSW WDTEN GND
WATCH
CN510 7P
VCC RXD TXD GND EXTSW WDTEN GND
WRITE
CN509 7P
BB (1/3)
SCAN CONVERTER
TG
CPU
REG
A+16.5V A+16.5V A+16.5V A+16.5V GND GND GND GND A+6V A+6V A+6V A+6V GND GND GND GND D+5V (5V-2) D+5V (5V-2) GND GND D+3.3V D+3.3V D+3.3V D+3.3V GND GND GND GND SUB+5V SUB+5V SUB+5V SUB+5V GND GND GND GND POEWR CONT POEWR CONT CE-ON CE-ON FAN-PROT FAN-PROT FANPROT CE FANPROT CE FAN-CONT1 FAN-CONT1 FAN-CONT2 FAN-CONT2 POWER_PROT POWER_PROT
CN801 50P
+16.5V +16.5V +16.5V +16.5V GND GND GND GND +6V +6V +6V +6V GND GND GND GND D5V D5V GND GND D3.3V D3.3V D3.3V D3.3V GND GND GND GND SUB5V SUB5V SUB5V SUB5V GND GND GND GND POWER ON POWER ON CE ON CE ON FAN PROT FAN PROT FAN PROT (CE) FAN PROT (CE) FAN CONT 1 FAN CONT 1 FAN CONT 2 FAN CONT 2 POWER PROT POWER PROT
CN1107 50P
G
ACTIVE FILTER
CONVERTER
REG
FAN DRIVE
CN307 50P
GND GND CVBS CVBS GND GND GND S-Y S-Y GND GND S-C S-C GND GND N.C A/B INPUT A/CEL N.C VIDEO/RGB N.C N.C N.C SIRCS-U GND GND A+5V (5V-3) V AUDIO-L A+5V (5V-3) V AUDIO-R GND GND N.C GND N.C U-DA N.C U-CL N.C REQ N.C GND SUB+3.3V SUB+3.3V SUB+3.3V SUB+3.3V N.C N.C SUB+5V (5V-1) SUB+5V (5V-1) SUB+5V (5V-1) SUB+5V (5V-1)
CN20 50P
QA
INPUT TERMINAL
(VIDEO/USB/MOUSE)
CN1101 8P
+16.5V +6.4V +6.4V GND GND GND CE ON FAN PROT (CE)
TO GA BOARD
CN1502
B-SS1721-WW-FRAME-P1


RSP
LSP
CN12 4P
1 SP_R-
2 SP_R+
3 SP_L-
4 SP_L+
CN32 3P
NF
FRONT
RECIVER
CN15 3P
SUB+5V 1
SIRCS-NF 2
GND 3
1 SUB+5V (5V-1)
2 SIRCS-NF
3 GND
QB
INPUT TERMINAL
CIRCS
INPUT SELECT
AUDIOPROCESS
CN31 70P
CN308 70P
RED (A/B) A1 A1 RED (A/B)
RED (A/B) B1 B1 RED (A/B)
GND A2 A2 GND
GND B2 B2 GND
GREEN (A/B) A3 A3 GREEN (A/B)
GREEN (A/B) B3 B3 GREEN (A/B)
GND A4 A4 GND
GND B4 B4 GND
BLUE (A/B) A5 A5 BLUE (A/B)
BLUE (A/B) B5 B5 BLUE (A/B)
GND A6 A6 GND
GND B6 B6 GND
HD A7 A7 HD
HD B7 B7 HD
VD A8 A8 VD
VD B8 B8 VD
GND A9 A9 GND
GND B9 B9 GND
A+12V A10 A10 A+12V
NC B10 B10
A+12V A11 A11 A+12V
NC B11 B11
A+12V A12 A12 A+12V
GND B12 B12 GND
A+5V (5V-3) A13 A13 A+5V (5V-3)
V AUDIO-L B13 B13 V AUDIO-L
A+5V (5V-3) A14 A14 A+5V (5V-3)
V AUDIO-R B14 B14 V AUDIO-R
GND A15 A15 GND
GND B15 B15 GND
SCL-DDC A16 A16 SCL-DDC
SIRCS-CPU B16 B16 SIRCS-CPU
SDA-DDC A17 A17 SDA-DDC
SIRCS-NR B17 B17 SIRCS-NR
SW-DDC A18 A18 SW-DDC
A/B (IN A/CE) B18 B18 A/B (IN A/CE
NR-ON A19 A19 NR-ON
RXD CE (UART) B19 B19 RXD CE (UART)
NF-ON A20 A20 NF-ON
TXD CE (UART) B20 B20 TXD CE (UART)
GND A21 A21 GND
GND B21 B21 GND
VIDEO/RGB A22 A22 VIDEO/RGB
CE RESET B22 B22 CE RESET
UPGM CE A23 A23 UPGM CE
URT SW B23 B23 URT SW
REQUEST1 A24 A24 REQUEST1
GND B24 B24 GND
GND A25 A25 GND
GND B25 B25 GND
GND A26 A26 GND
SIRCS-U B26 B26 SIRCS-U
GND A27 A27 GND
GND B27 B27 GND
N.C A28 A28
N.C B28 B28
A-CS A29 A29 A-CS
SDAT B29 B29 SDAT
AU-CLK A30 A30 AU-CLK
AU-MUTE B30 B30 AU-MUTE
5V-4 A31 A31 5V-4
5V-4 B31 B31 5V-4
GND A32 A32 GND
GND B32 B32 GND
N.C A33 A33
N.C B33 B33
SUB+5V (5V-1) A34 A34 SUB+5V (5V-1)
SUB+5V (5V-1) B34 B34 SUB+5V (5V-1)
SUB+5V (5V-1) A35 A35 SUB+5V (5V-1)
SUB+5V (5V-1) B35 B35 SUB+5V (5V-1)
BB (2/3)
SCAN CONVERTER
TG
CPU
REG
CN303 70P
CN101 70P
GND A1 A1 GND
GND B1 B1 GND
CVBS A2 A2 CVBS
GND B2 B2 GND
S-Y A3 A3 S-Y
GND B3 B3 GND
S-C A4 A4 S-C
GND B4 B4 GND
E-RESET A5 A5 F-RESET
N.C B5 B5 N.C.
E-CL A6 A6 F-CL
SCL B6 B6 SCL
E-DA A7 A7 F-DA
SDA B7 B7 SDA
SUB5V A8 A8 SUB5V
GND B8 B8 GND
SUB5V A9 A9 SUB5V
GND B9 B9 GND
SUB5V A10 A10 SUB5V
VB-Y B10 B10 VB-Y
SUB5V A11 A11 SUB5V
VR-Y B11 B11 VR-Y
GND A12 A12 GND
GND B12 B12 GND
V-R A13 A13 V-R
V-R B13 B13 V-R
GND A14 A14 GND
GND B14 B14 GND
V-G A15 A15 V-G
V-G B15 B15 V-G
GND A16 A16 GND
GND B16 B16 GND
V-B A17 A17 V-B
V-B B17 B17 V-B
GND A18 A18 GND
GND B18 B18 GND
N.C A19 A19 N.C.
V-VD B19 B19 V-VD
V-CLP A20 A20 V-CLP
V-HD B20 B20 V-HD
GND A21 A21 GND
GND B21 B21 GND
DTV-HD A22 A22 DTV-HD
DTV-VD B22 B22 DTV-VD
GND A23 A23 GND
GND B23 B23 GND
DTV-G A24 A24 DTV-G
DTV-G B24 B24 DTV-G
GND A25 A25 GND
GND B25 B25 GND
DTV-B A26 A26 DTV-B
DTV-B B26 B26 DTV-B
GND A27 A27 GND
GND B27 B27 GND
DTV-R A28 A28 DTV-R
DTV-R B28 B28 DTV-R
GND A29 A29 GND
GND B29 B29 GND
VY A30 A30 VY
15K-CS B30 B30 15K-CS
GND A31 A31 GND
GND B31 B31 GND
A9V A32 A32 A9V
A5V B32 B32 A5V
A9V A33 A33 A9V
A5V B33 B33 A5V
GND A34 A34 GND
GND B34 B34 GND
SIRCS-NR A35 A35 SIRCS-NR
SIRCS-NR B35 B35 SIRCS-NR
BA
D.COMB
CHROMA DECODER
RGB INTERFACE
QC
WINDOWS CE
(PX15 ONLY)
CN5 50P
CN43 50P
5V 1 1 5V
5V 2 2 5V
5V 3 3 5V
5V 4 4 5V
3.3V 5 5 3.3V
3.3V 6 6 3.3V
3.3V 7 7 3.3V
3.3V 8 8 3.3V
URTSW (GND) 9 9 URTSW (GND)
REQUEST1 10 10 REQUEST1
UPGM (GND) 11 11 UPGM (GND)
GND 12 12 GND
UART TX 13 13 UART TX
GND 14 14 GND
UART RX 15 15 UART RX
GND 16 16 GND
R-C 17 17 R-C
R-C 18 18 R-C
GND 19 19 GND
GND 20 20 GND
G-C 21 21 G-C
G-C 22 22 G-C
GND 23 23 GND
GND 24 24 GND
B-C 25 25 B-C
B-C 26 26 B-C
GND 27 27 GND
GND 28 28 GND
H-C 29 29 H-C
H-C 30 30 H-C
GND 31 31 GND
GND 32 32 GND
V-C 33 33 V-C
V-C 34 34 V-C
GND 35 35 GND
CE+5V 36 36 CE+5V
USB- 37 37 USB-
GND 38 38 GND
USB+ 39 39 USB+
DET-C 40 40 DET-C
M CLK 41 41 M CLK
GND 42 42 GND
M DATA 43 43 M DATA
GND 44 44 GND
K CLK 45 45 K CLK
GND 46 46 GND
K DATA 47 47 K DATA
GND 48 48 GND
RESET 49 49 RESET
PROT 50 50 PROT
CM
CONNECTOR
(PX15 ONLY)
CN41 11P
CN33 11P
CE+5V 1
USB+ 2
USB- 3
GND 4
RXD-CE 5
TXD-CE 6
UPGM-CE 7
URT SW 8
REQUEST1 9
CE RESET 10
GND 11
1 CE+5V
2 USB+
3 USB-
4 GND
5 RXD-CE
6 TXD-CE
7 UPGM-CE
8 URT SW
9 REQUEST1
10 CE RESET
11 GND
CN40 12P
CN30 12P
RED (CE) 1
GND 2
GREEN (CE) 3
GND 4
BLUE (CE) 5
GND 6
HD 7
VD 8
GND 9
AUDIO-L (CE) 10
GND 11
AUDIO-R (CE) 12
1 RED (CE)
2 GND
3 GREEN (CE)
4 GND
5 BLUE (CE)
6 GND
7 HD
8 VD
9 GND
10 AUDIO-L (CE)
11 GND
12 AUDIO-R (CE)
CN42 8P
CN1501 8P
+5V (CE) 1
+5V (CE) 2
GND 3
GND 4
+3.3V (CE) 5
+3.3V (CE) 6
GND 7
GND 8
1 +16.5V
2 +6.4V
3 +6.4V
4 GND
5 GND
6 GND
7 CE ON
8 FAN PROT (CE)
GA
WINDOWS CE
POWER SUPPLY
(PX15 ONLY)
CN1503 3P
FAN +B (CE)
FAN PROT 4
GND
FAN
CN1502 8P
+5V (CE) 1
+5V (CE) 2
GND 3
GND 4
+3.3V (CE) 5
+3.3V (CE) 6
GND 7
GND 8
TO G BOARD
CN1101
CN806 4P
FILT COVER
GND
LAMP COVER
GND
CN16 4P
V
SW
CN810 24P
GND
GND
KEY0
KEY1
SUB+5V
SUB+5V
PSAVE LED
LAMP LED
TEMP LED
POWER LED
D+5V
D+5V
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
GND
CN10 24P
H
CONTROL PANEL
B-SS1721-WW-FRAME-P2


VPL-PX10/PX15 ONLY
LCD G
LCD R
LCD B
CN1205 30P
CN1207 30P
CN1209 30P
C (1/2)
DA CONVERTOR
LCD DRIVER
CN1203 9PIN
R 1
GND 2
G 3
GND 4
B 5
GND 6
HV 7
VD 8
+5V 9
M.OUT
CN1201 70P
CN304 70P
BB (3/3)
SCAN CONVERTER
TG
CPU
REG
CN305 70P
CN1202 70P
C (2/2)
DA CONVERTOR
LCD DRIVER
CN1206 30P
CN1208 30P
CN1210 30P
LCD G
LCD R
LCD B
VPL-PS10 ONLY
B-SS1721-WW-FRAME-P3

7-2. Schematic Diagrams and Printed Wiring Boards





QA BOARD

* : B SIDE

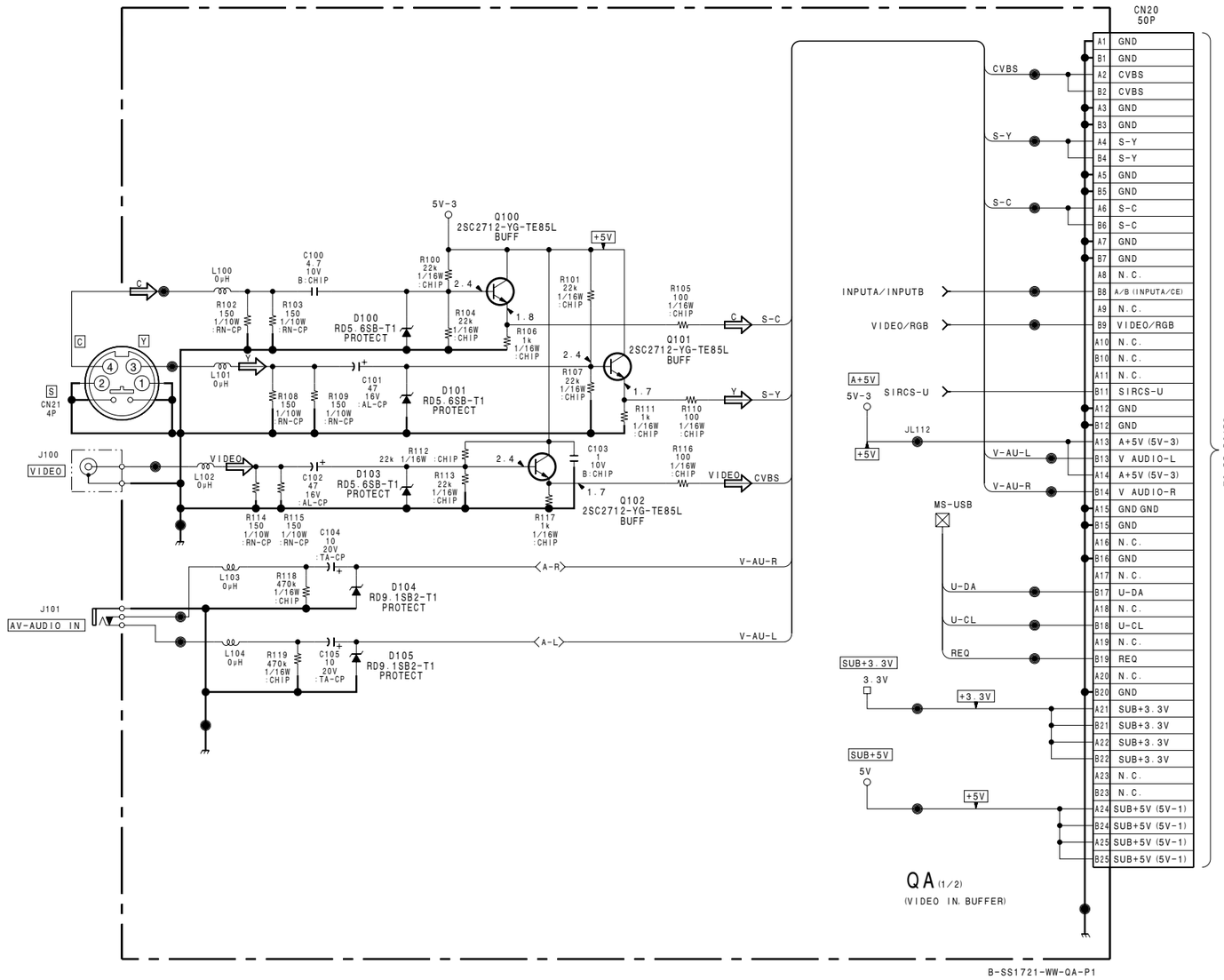
D100	*B-3	Q100	*B-3
D101	B-3	Q101	B-3
D103	*C-3	Q102	C-3
D104	C-3	Q200	*B-1
D105	D-3	Q201	*C-3
D200	*C-3	Q202	*B-1
D201	*A-2	Q203	C-3
D202	B-2	Q204	*A-1
D203	*D-3	Q205	B-1
D204	*D-3	Q206	B-2
D205	*D-3	Q207	*B-2
D206	*E-3	Q208	*B-2
D207	E-3	Q209	B-2
D209	*E-3		
D210	E-4	TP200	C-3
D211	*B-2	TP201	C-3
D212	B-2		
D213	*B-3		
D214	A-2		
IC200	B-1		
IC202	D-3		
IC203	B-2		
IC204	B-2		
IIC201	B-3		

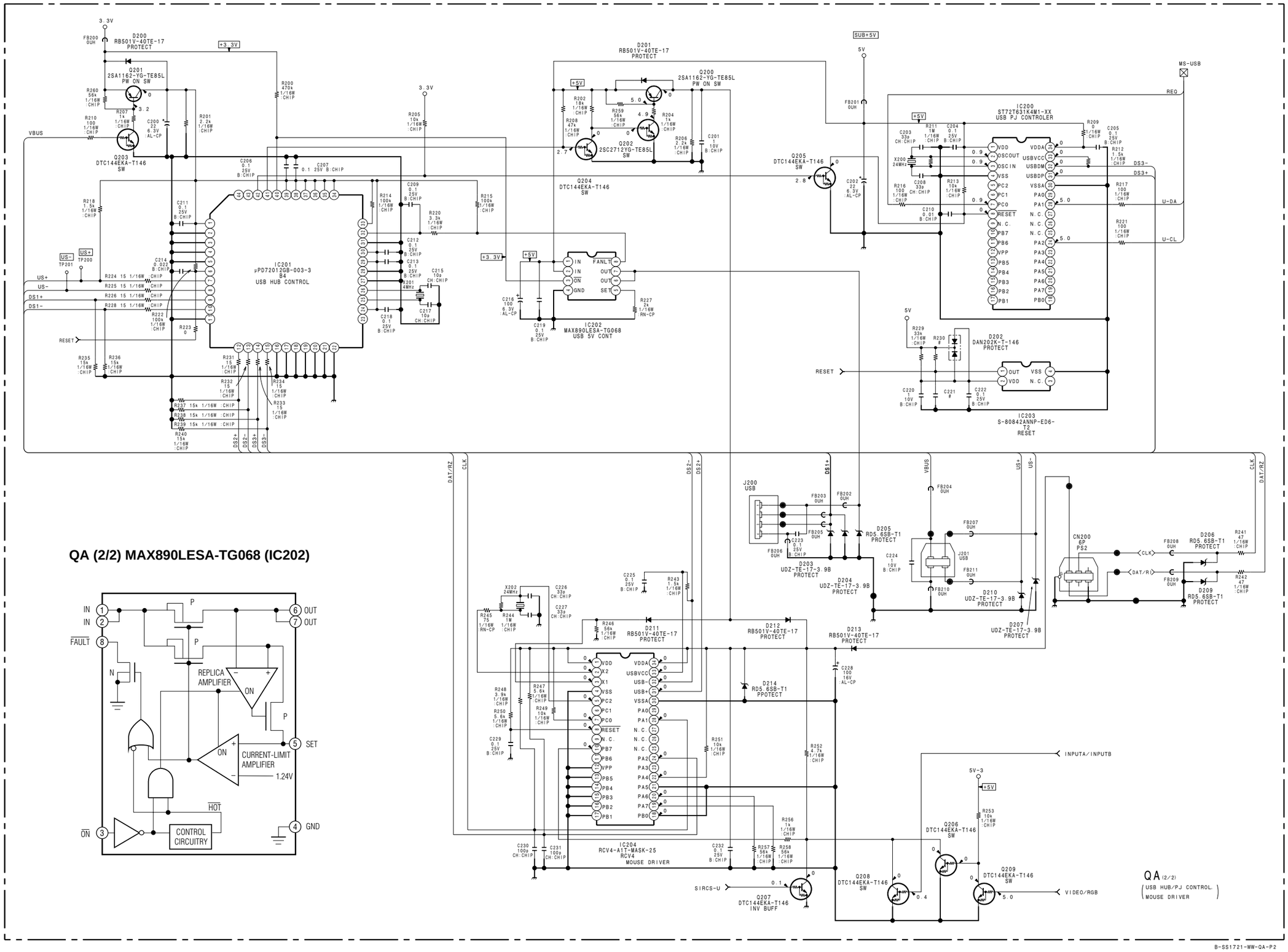
QA -A SIDE-

SUFFIX: -11

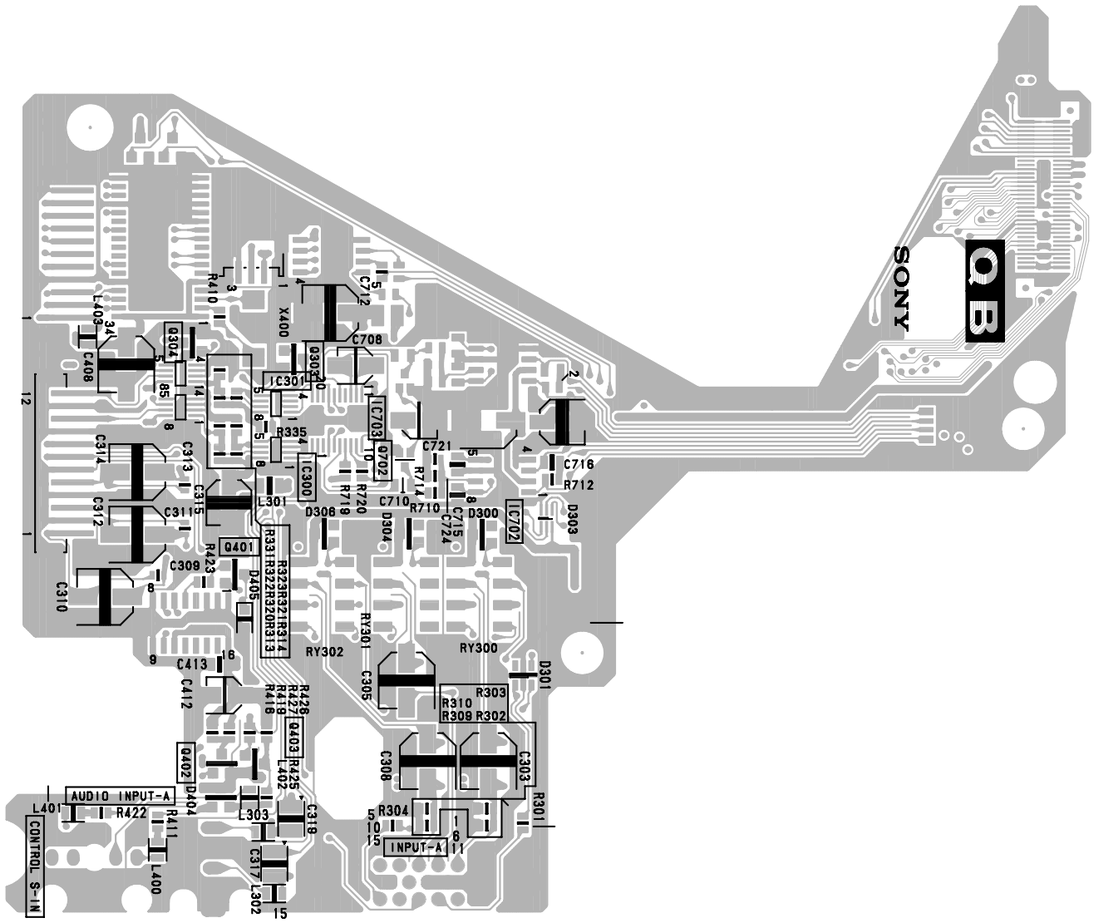
QA -B SIDE-

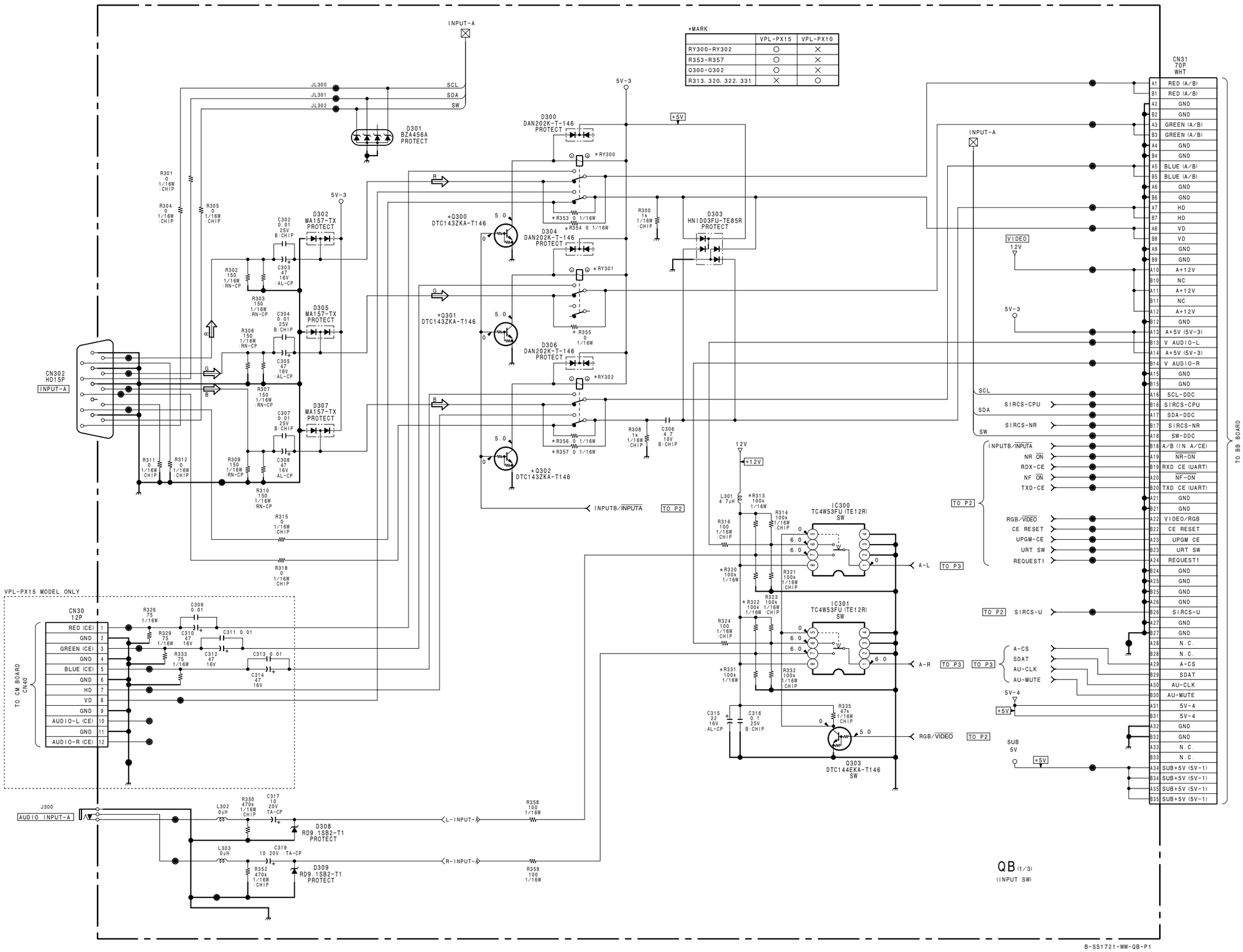
SUFFIX: -11


CN20
50P
TO BB BOARD
CN307
Q100
2SC2712-YG-TE85L
BUFF
Q101
2SC2712-YG-TE85L
BUFF
Q102
2SC2712-YG-TE85L
BUFF
D100
RD5.6SB-T1
PROTECT
D101
RD5.6SB-T1
PROTECT
D103
RD5.6SB-T1
PROTECT
D104
RD9.1SB2-T1
PROTECT
D105
RD9.1SB2-T1
PROTECT
5V-3
+5V
S-C
S-Y
V-AU-R
V-AU-L
VIDEO
CVBS
INPUTA/INPUTB
VIDEO/RGB
SIRCS-U
JL112
V-AU-L
V-AU-R
MS-USB
U-DA
U-CL
REQ
SUB+3.3V
3.3V
+3.3V
SUB+5V
5V
J100
VIDEO
J101
AV-AUDIO IN
CN21
4P
A1 GND
B1 GND
A2 CVBS
B2 CVBS
A3 GND
B3 GND
A4 S-Y
B4 S-Y
A5 GND
B5 GND
A6 S-C
B6 S-C
A7 GND
B7 GND
A8 N.C.
B8 A/B (INPUTA/CE)
A9 N.C.
B9 VIDEO/RGB
A10 N.C.
B10 N.C.
A11 N.C.
B11 SIRCS-U
A12 GND
B12 GND
A13 A+5V (5V-3)
B13 V AUDIO-L
A14 A+5V (5V-3)
B14 V AUDIO-R
A15 GND GND
B15 GND
A16 N.C.
B16 GND
A17 N.C.
B17 U-DA
A18 N.C.
B18 U-CL
A19 N.C.
B19 REQ
A20 N.C.
B20 GND
A21 SUB+3.3V
B21 SUB+3.3V
A22 SUB+3.3V
B22 SUB+3.3V
A23 N.C.
B23 N.C.
A24 SUB+5V (5V-1)
B24 SUB+5V (5V-1)
A25 SUB+5V (5V-1)
B25 SUB+5V (5V-1)
QA (1/2)
(VIDEO IN. BUFFER)
B-SS1721-WW-QA-P1



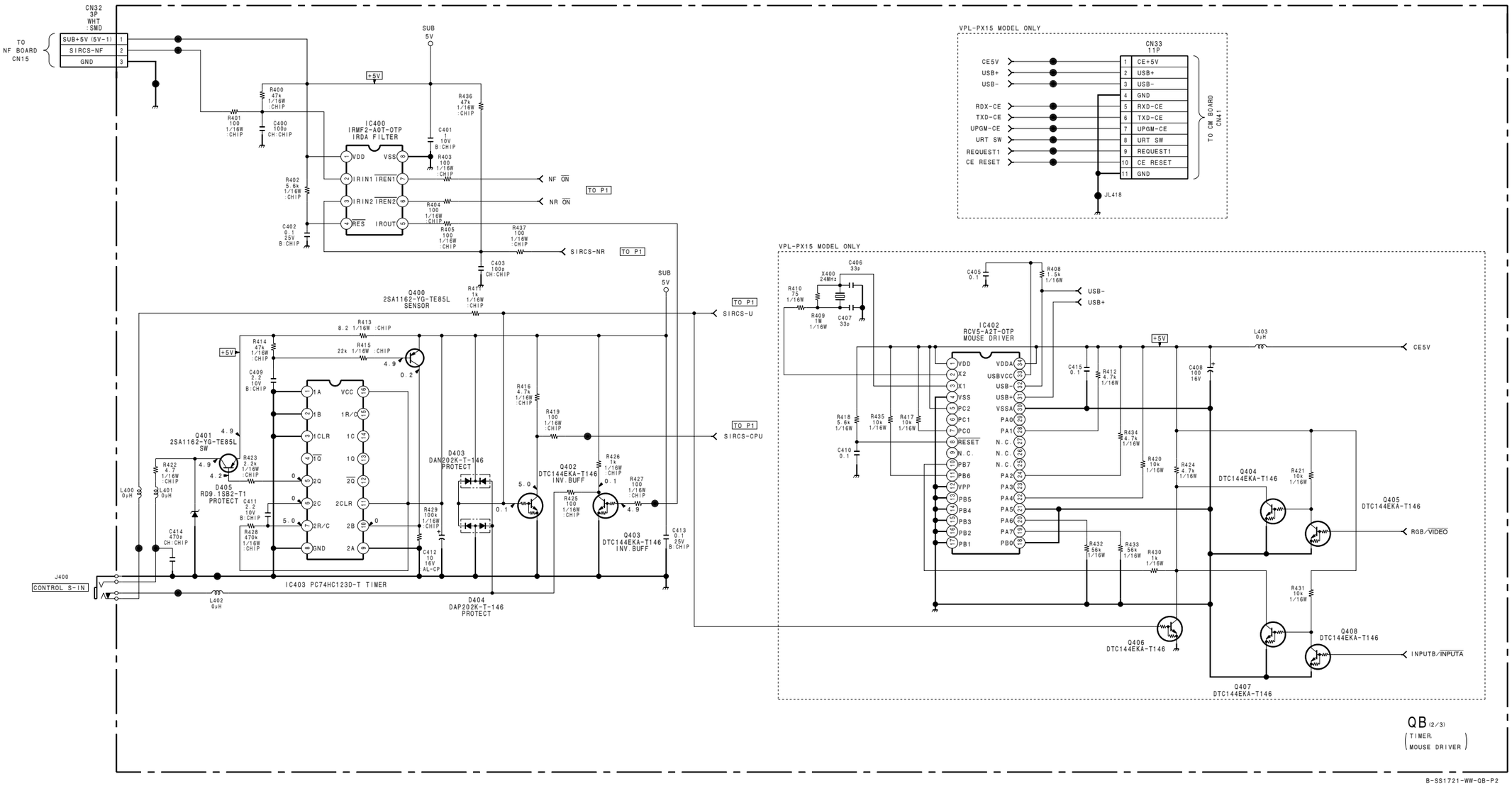
QA (2/2) MAX890LESA-TG068 (IC202)


QB
SONY
X400
C712
C708
C408
L403
Q304
Q303
IC301
R335
IC703
Q702
C721
C716
R712
IC300
R719
R720
R714
C710
R710
C715
C724
D308
D304
D300
IC702
D303
L301
C314
C313
C315
C312
C311
C309
C310
R331 R323 R321 R314
R322 R320 R313
Q401
R423
D405
RY302
RY301
RY300
D301
C305
R303
R310
R309
R302
C300
C303
R301
R304
C413
C412
R428
R427
R418
R416
Q403
R425
L402
Q402
R404
L303
C318
C317
L302
AUDIO INPUT-A
L401
R422
R411
L400
CONTROL S-IN
INPUT-A

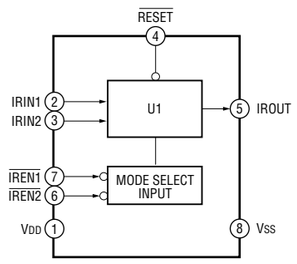


A B C D E F G H

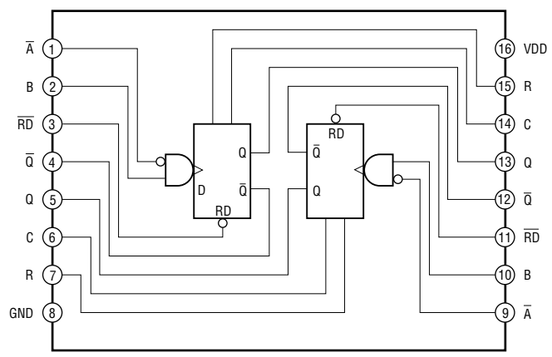
1 2 3 4 5

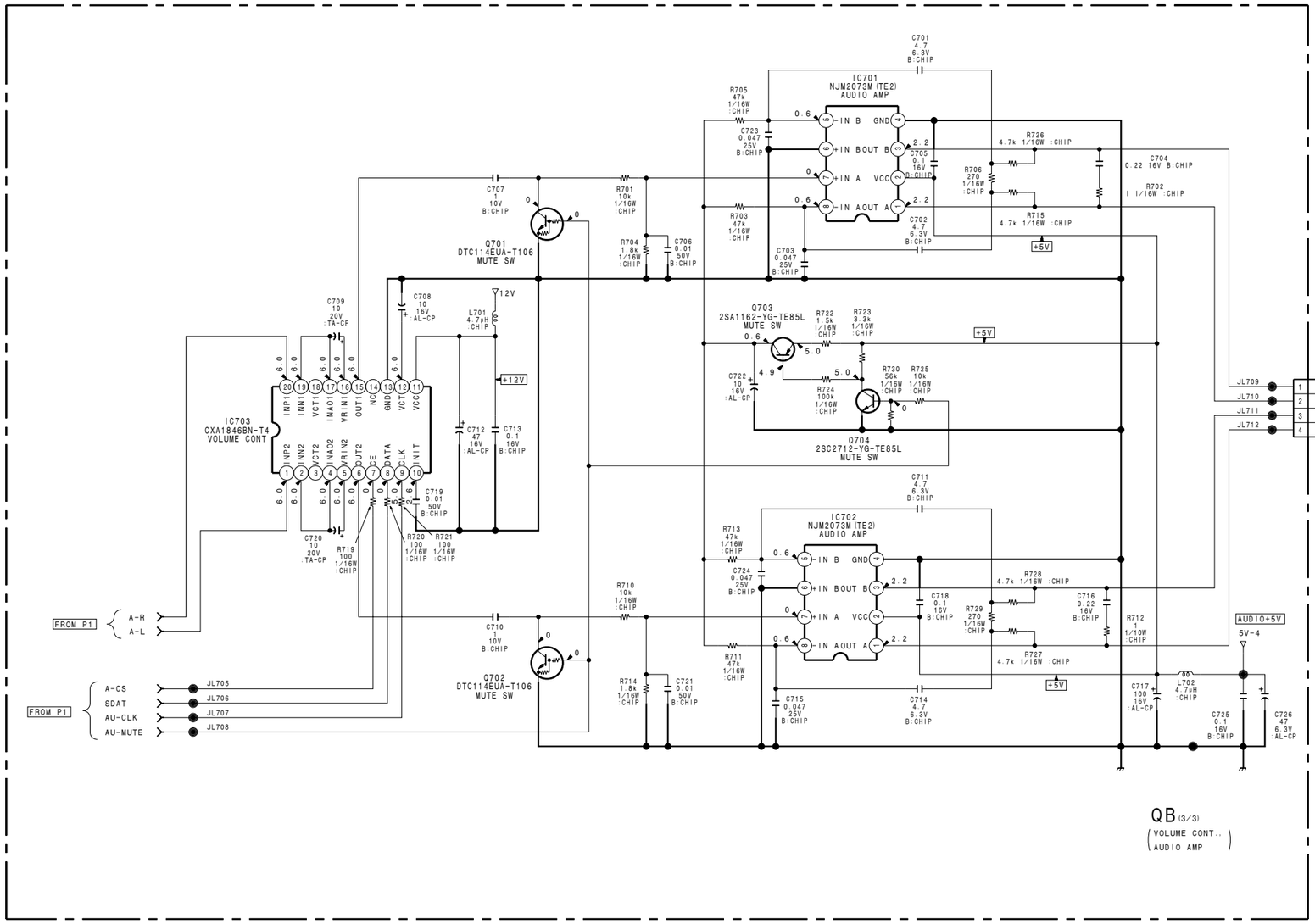


QB (2/3) IRMF2-A0T-OTP (IC400)

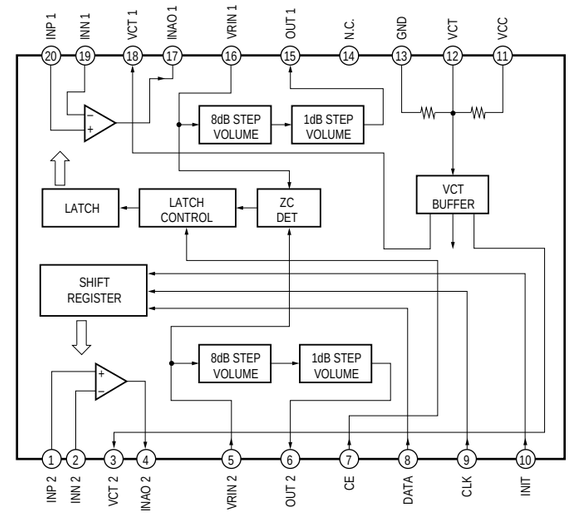


QB (2/3) PC74HC123D-T (IC403)

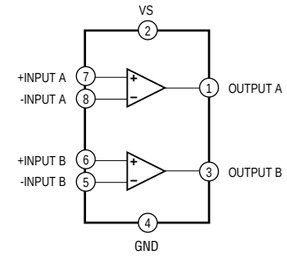


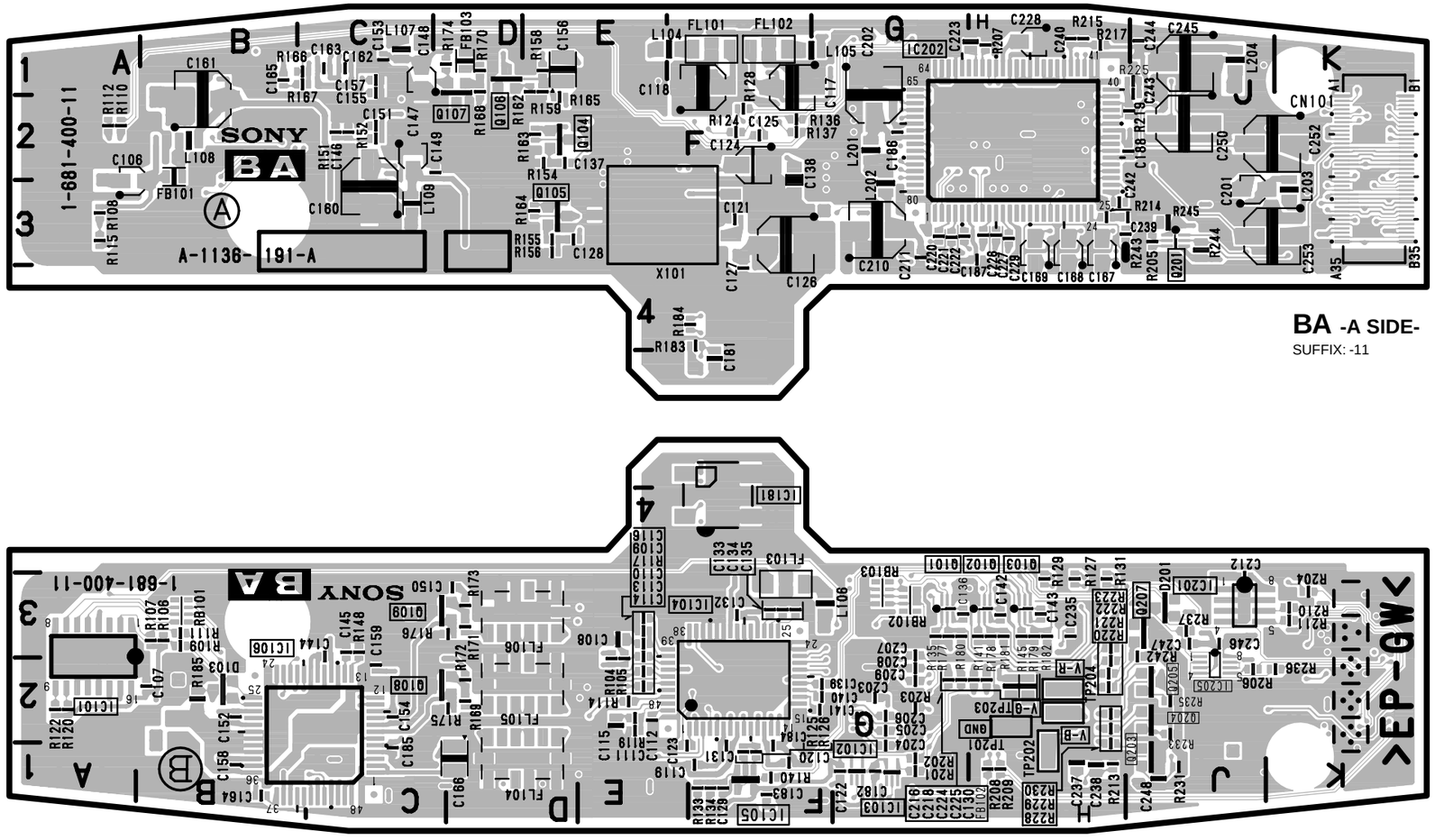


QB (3/3) CXA1846BN-T4 (IC703)



QB (3/3) NJM2073M(TE2) (IC701, IC702)





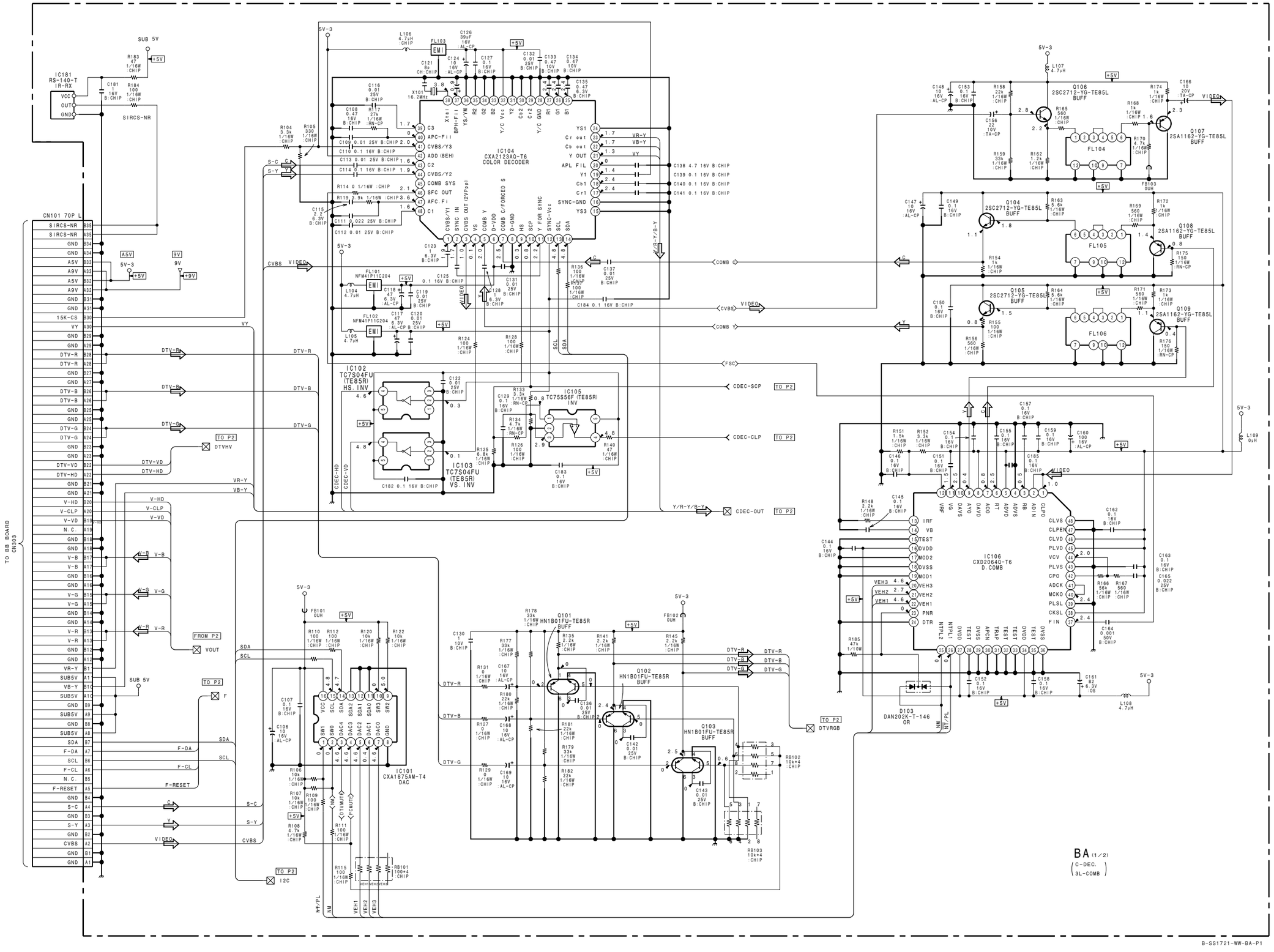
BA -A SIDE-
SUFFIX: -11

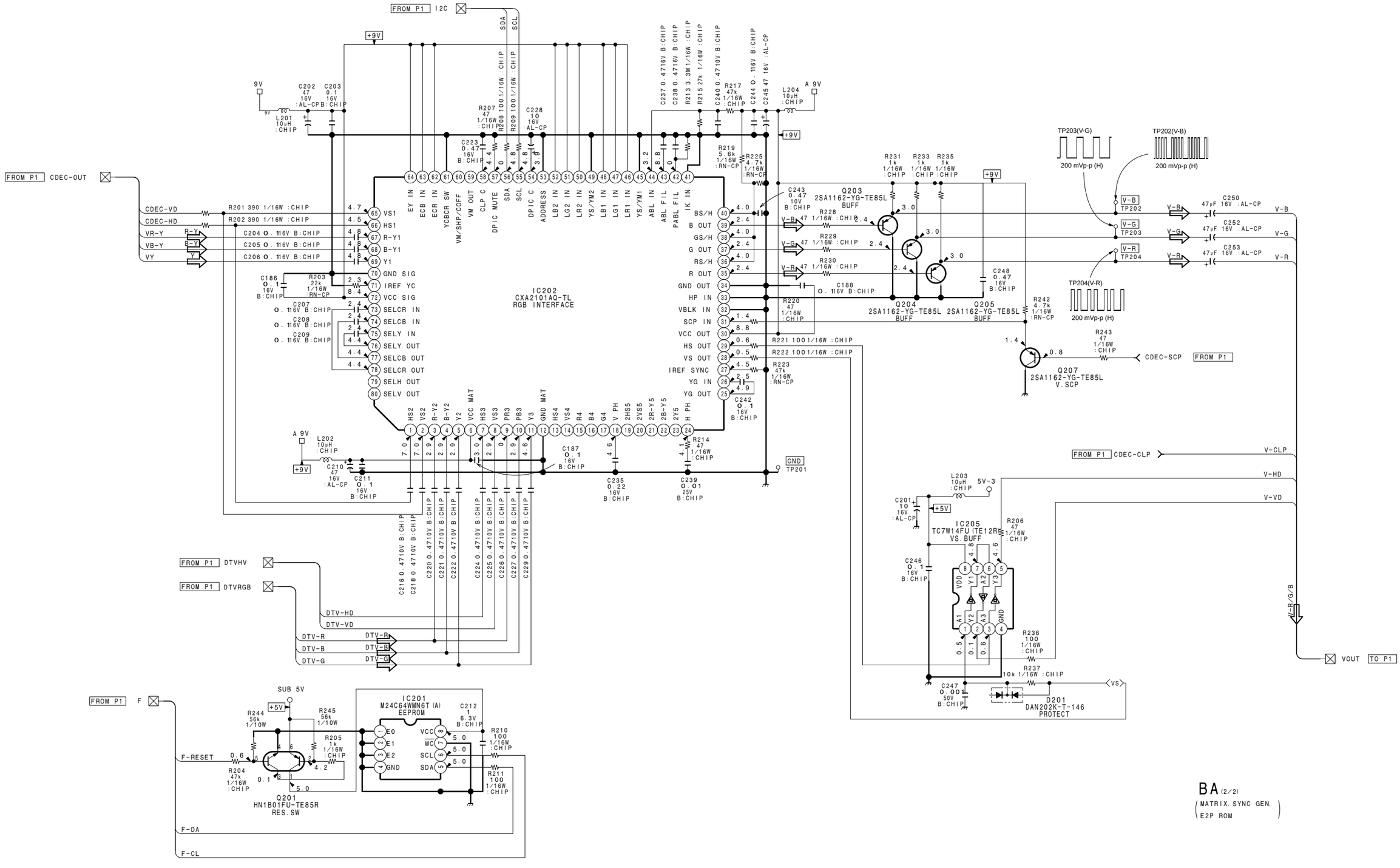
BA -B SIDE-
SUFFIX: -11

BA BOARD

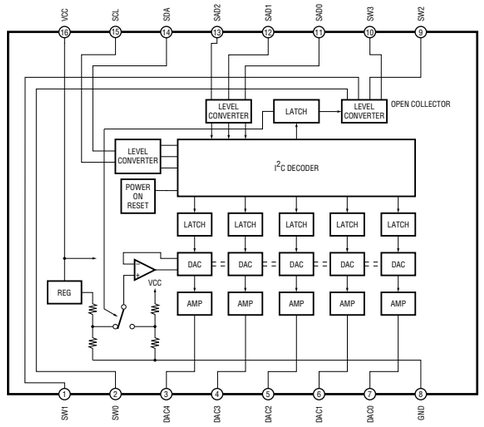
* : B SIDE

D103	*B-2	Q101	*G-3
D201	*J-3	Q102	*H-3
		Q103	*H-3
IC101	*A-2	Q104	E-2
IC102	*F-1	Q105	E-3
IC103	*G-1	Q106	D-2
IC104	*F-3	Q107	D-2
IC105	*F-2	Q108	*C-2
IC106	*C-2	Q109	*C-3
IC181	*F-4	Q201	J-3
IC201	*J-3	Q203	*J-1
IC202	H-2	Q204	*J-2
IC205	*J-2	Q205	*J-2
		Q207	*J-3
		TP201	*H-2
		TP202	*H-1
		TP204	*H-2

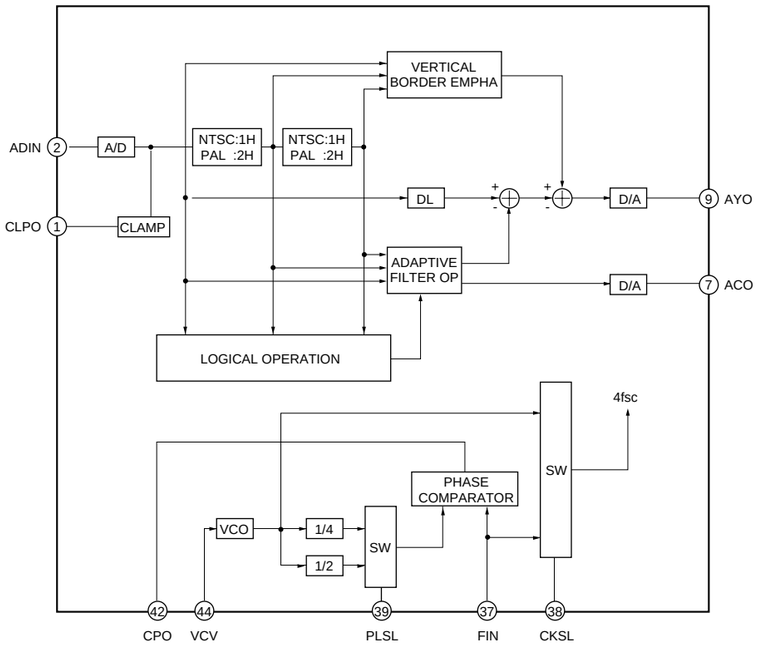

IC104
CXA2123AQ-T6
COLOR DECODER
IC102
TC7S04FU
(TE85R)
HS. INV
IC103
TC7S04FU
(TE85R)
VS. INV
IC105
TC75S56F (TE85R)
INV
IC101
CXA1875AM-T4
DAC
IC106
CXD2064Q-T6
D. COMB
CN101 70P L
TO BB BOARD
CN803
SUB 5V
5V-3
9V
A5V
IC181
RS-140-T
IR-RX
SIRCS-NR
VIDEO
CVBS
S-Y
S-C
VY
VR-Y
VB-Y
DTV-R
DTV-B
DTV-G
DTV-VD
DTV-HD
V-HD
V-CLP
V-VD
V-R
V-B
V-G
SDA
SCL
F-DA
F-CL
F-RESET
TO P2
FROM P2
DTVHV
VOUT
DTVRGB
I2C
CDEC-SCP
CDEC-CLP
CDEC-OUT
Y/R-Y/B-Y
COMB
FSC
Q101
HN1B01FU-TE85R
BUFF
Q102
HN1B01FU-TE85R
BUFF
Q103
HN1B01FU-TE85R
BUFF
Q104
2SC2712-YG-TE85L
BUFF
Q105
2SC2712-YG-TE85L
BUFF
Q106
2SC2712-YG-TE85L
BUFF
Q107
2SA1162-YG-TE85L
BUFF
Q108
2SA1162-YG-TE85L
BUFF
Q109
2SA1162-YG-TE85L
BUFF
D103
DAN202K-T-146
OR
BA (1/2)
(C-DEC.
3L-COMB)
B-SS1721-WW-BA-P1


FROM P1 I2C
SDA
SCL
+9V
9V
A 9V
C202 47 16V :AL-CP
C203 0.1 16V B:CHIP
L201 10µH :CHIP
R207 47 1/16W :CHIP
R208 100 1/16W :CHIP
R209 100 1/16W :CHIP
C228 10 16V :AL-CP
C223 0.47 16V B:CHIP
C237 0.4716V B:CHIP
C238 0.4716V B:CHIP
R213 3.3M 1/16W :CHIP
R215 27k 1/16W :CHIP
C240 0.4710V B:CHIP
R217 47k 1/16W :CHIP
C244 0.1 16V B:CHIP
C245 47 16V :AL-CP
L204 10µH :CHIP
R219 5.6k 1/16W :RN-CP
R225 4.7k 1/16W :RN-CP
FROM P1 CDEC-OUT
CDEC-VD
CDEC-HD
VR-Y
VB-Y
VY
R-Y
B-Y
Y
R201 390 1/16W :CHIP
R202 390 1/16W :CHIP
C204 0.1 16V B:CHIP
C205 0.1 16V B:CHIP
C206 0.1 16V B:CHIP
C186 0.1 16V B:CHIP
R203 22k 1/16W :RN-CP
C207 0.1 16V B:CHIP
C208 0.1 16V B:CHIP
C209 0.1 16V B:CHIP
IC202
CXA2101AQ-TL
RGB INTERFACE
EY IN
ECB IN
ECR IN
YCBCR SW
VM/SHP/COFF
VM OUT
CLP C
DPIC MUTE
SDA
SCL
DPIC C
ADDRESS
LB2 IN
LG2 IN
LR2 IN
YS/YM2
LB1 IN
LG1 IN
LR1 IN
YS/YM1
ABL IN
ABL FIL
PABL FIL
IK IN
VS1
HS1
R-Y1
B-Y1
Y1
GND SIG
IREF YC
VCC SIG
SELCR IN
SELCB IN
SELY IN
SELY OUT
SELCB OUT
SELCR OUT
SELH OUT
SELV OUT
BS/H
B OUT
GS/H
G OUT
RS/H
R OUT
GND OUT
HP IN
VBLK IN
SCP IN
VCC OUT
HS OUT
VS OUT
IREF SYNC
YG IN
YG OUT
R228 47 1/16W :CHIP
R229 47 1/16W :CHIP
R230 47 1/16W :CHIP
C188 0.1 16V B:CHIP
R220 47 1/16W :CHIP
R221 100 1/16W :CHIP
R222 100 1/16W :CHIP
R223 47k 1/16W :RN-CP
C242 0.1 16V B:CHIP
R214 47 1/16W :CHIP
C187 0.1 16V B:CHIP
C235 0.22 16V B:CHIP
C239 0.01 25V B:CHIP
C216 0.4710V B:CHIP
C218 0.4710V B:CHIP
C220 0.4710V B:CHIP
C221 0.4710V B:CHIP
C222 0.4710V B:CHIP
C224 0.4710V B:CHIP
C225 0.4710V B:CHIP
C226 0.4710V B:CHIP
C227 0.4710V B:CHIP
C229 0.4710V B:CHIP
GND TP201
Q203 2SA1162-YG-TE85L BUFF
R231 1k 1/16W :CHIP
R233 1k 1/16W :CHIP
R235 1k 1/16W :CHIP
C243 0.47 10V B:CHIP
Q204 2SA1162-YG-TE85L BUFF
Q205 2SA1162-YG-TE85L BUFF
C248 0.47 16V B:CHIP
R242 4.7k 1/16W :RN-CP
Q207 2SA1162-YG-TE85L V.SCP
R243 47 1/16W :CHIP
CDEC-SCP
FROM P1
TP203(V-G)
200 mVp-p (H)
TP202(V-B)
200 mVp-p (H)
TP204(V-R)
200 mVp-p (H)
V-B TP202
V-G TP203
V-R TP204
C250 47µF 16V :AL-CP
C252 47µF 16V :AL-CP
C253 47µF 16V :AL-CP
V-B
V-G
V-R
FROM P1 DTVHV
FROM P1 DTVRGB
DTV-HD
DTV-VD
DTV-R
DTV-B
DTV-G
FROM P1 F
SUB 5V
+5V
R244 56k 1/10W
R245 56k 1/10W
R205 1k 1/16W :CHIP
R204 47k 1/16W :CHIP
F-RESET
Q201 HN1B01FU-TE85R RES.SW
IC201 M24C64WMN6T (A) EEPROM
C212 1 6.3V B:CHIP
R210 100 1/16W :CHIP
R211 100 1/16W :CHIP
E0
E1
E2
GND
VCC
WC
SCL
SDA
F-DA
F-CL
FROM P1 CDEC-CLP
V-CLP
V-HD
V-VD
L203 10µH :CHIP
5V-3
C201 10 16V :AL-CP
+5V
IC205 TC7W14FU (TE12R) VS.BUFF
C246 0.1 16V B:CHIP
R206 47 1/16W :CHIP
R236 100 1/16W :CHIP
R237 10k 1/16W :CHIP
C247 0.001 50V B:CHIP
D201 DAN202K-T-146 PROTECT
VS
V-R/G/B
VOUT
TO P1
BA (2/2)
MATRIX. SYNC GEN.
E2P ROM
B-SS1721-WW-BA-P2

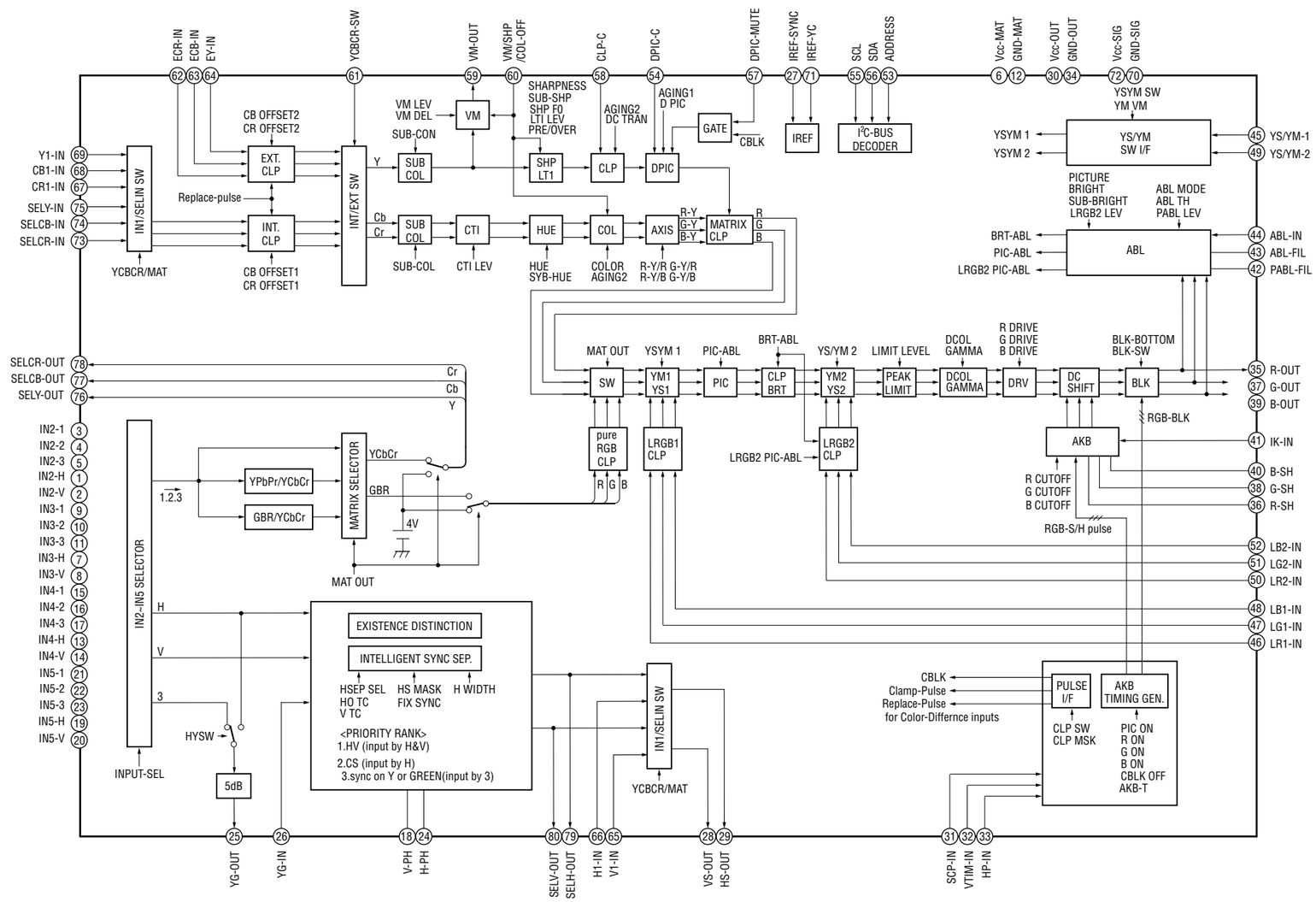
BA (1/2) CXA1875AM-T4 (IC101)

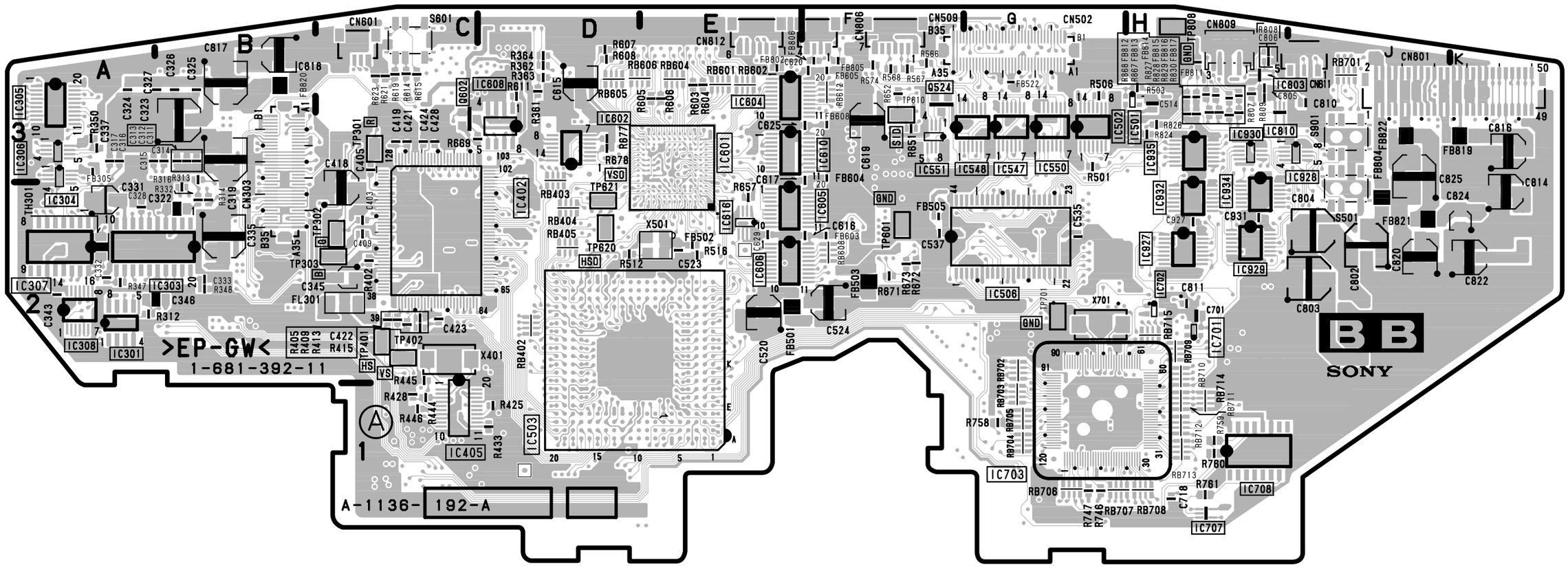


BA (1/2) CXD2064Q-T6 (IC106)



BA (2/2) CXA2101AQ (IC202)





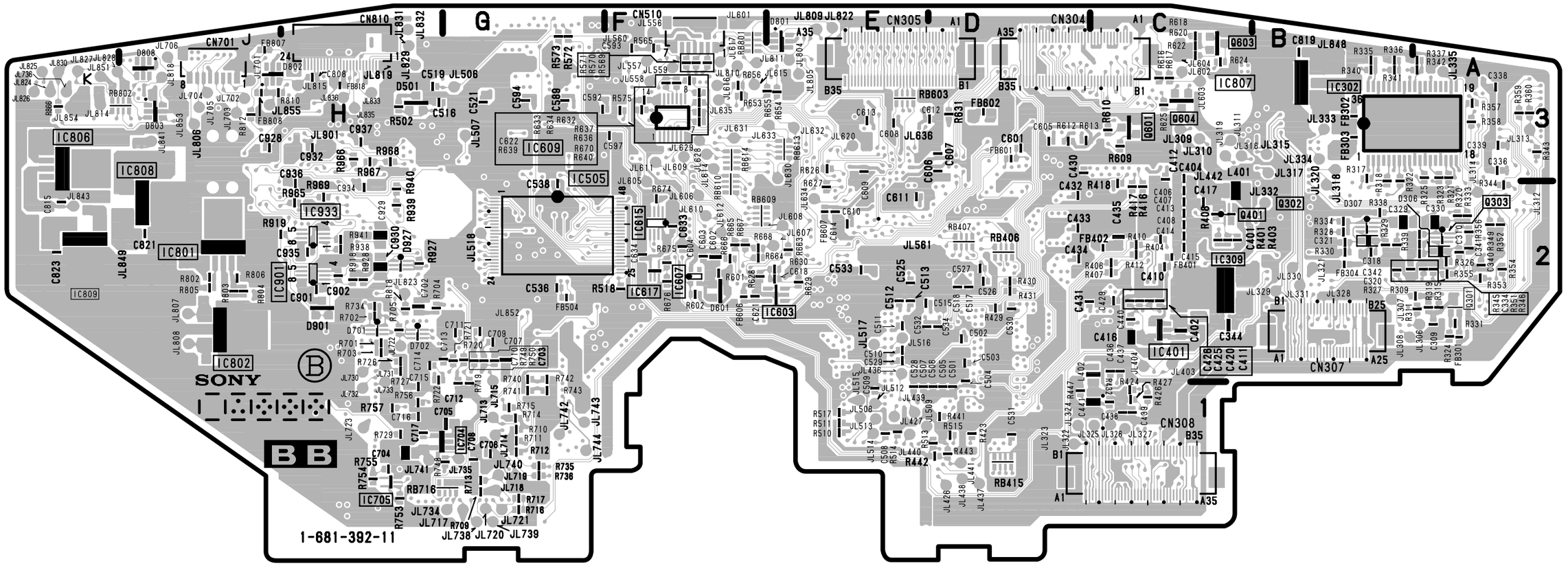
BB -A SIDE-

SUFFIX: -11

BB BOARD

* : B SIDE

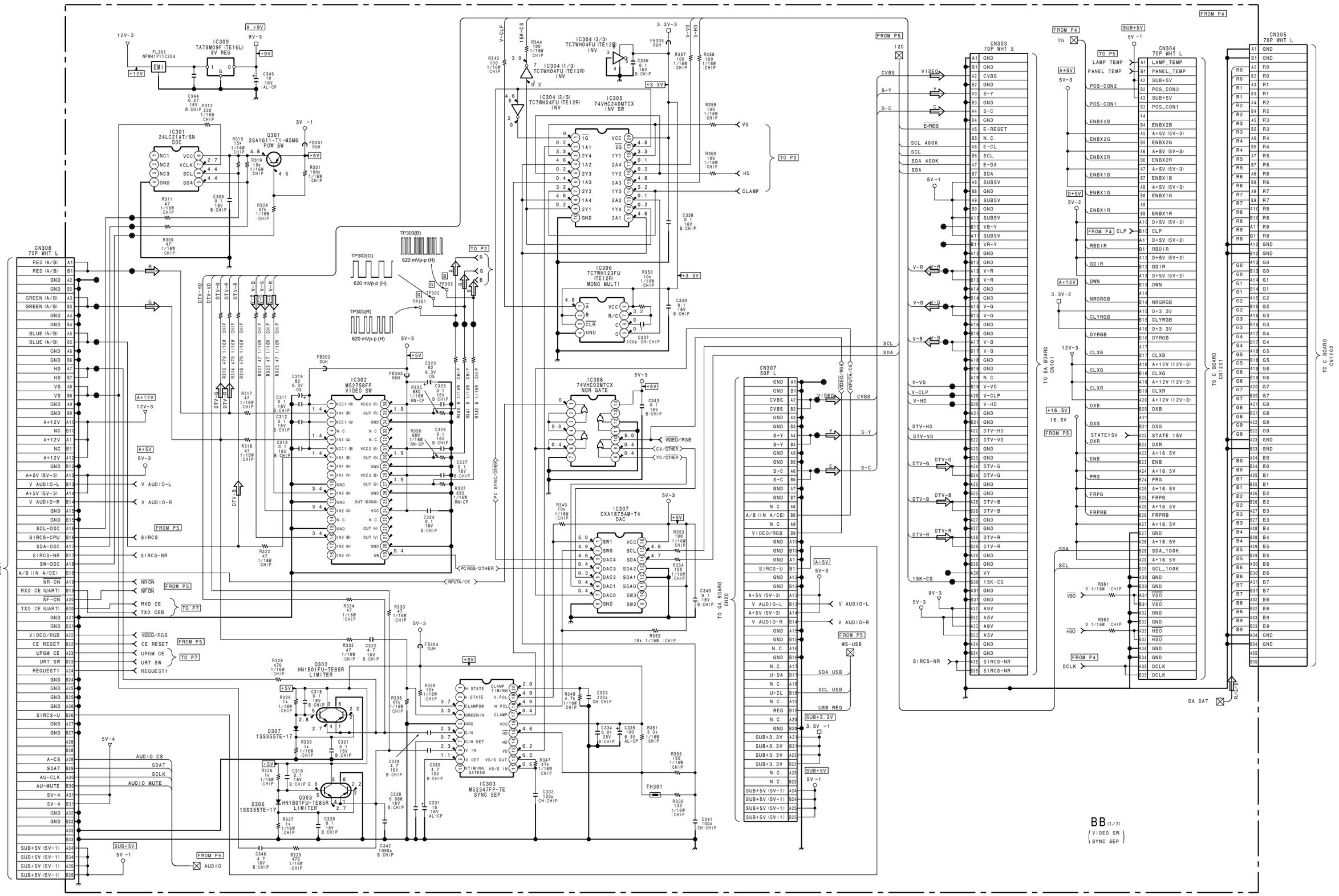
D306	*B-2	IC548	G-3	IC927	H-2
D307	*B-2	IC550	G-3	IC928	J-3
D501	*H-3	IC551	F-3	IC929	H-2
D601	*F-2	IC601	E-3	IC930	H-3
D701	*H-2	IC602	D-3	IC932	H-2
D702	*H-2	IC603	*E-2	IC933	*H-2
D801	*E-3	IC604	E-3	IC934	H-2
D802	*H-3	IC605	E-2	IC935	H-3
D803	*J-3	IC606	E-2		
D808	*J-3	IC607	*F-2	Q301	*A-2
D901	*H-2	IC608	D-3	Q302	*B-2
D927	*H-2	IC609	*G-3	Q303	*A-2
		IC610	E-3	Q401	*C-2
IC301	A-2	IC615	*F-2	Q524	F-3
IC302	*B-3	IC616	E-2	Q601	*C-3
IC303	A-2	IC617	*F-2	Q602	C-3
IC304	A-3	IC701	H-2	Q603	*C-3
IC305	A-3	IC702	H-2	Q604	*C-3
IC306	A-3	IC704	*G-1		
IC307	A-2	IC705	*H-1	TP301	C-3
IC308	A-2	IC707	H-1	TP302	C-2
IC309	*C-2	IC708	H-1	TP303	C-2
IC401	*C-2	IC801	*J-2	TP401	C-2
IC402	C-2	IC802	*J-2	TP402	C-2
IC405	C-1	IC803	H-3	TP601	F-2
IC501	H-3	IC806	*K-3	TP610	F-3
IC502	G-3	IC807	*C-3	TP620	D-2
IC503	D-1	IC808	*J-2	TP621	D-2
IC505	*G-2	IC809	*K-2	TP701	G-2
IC506	G-2	IC810	J-3	TP808	H-3
IC547	G-3	IC901	*H-2		

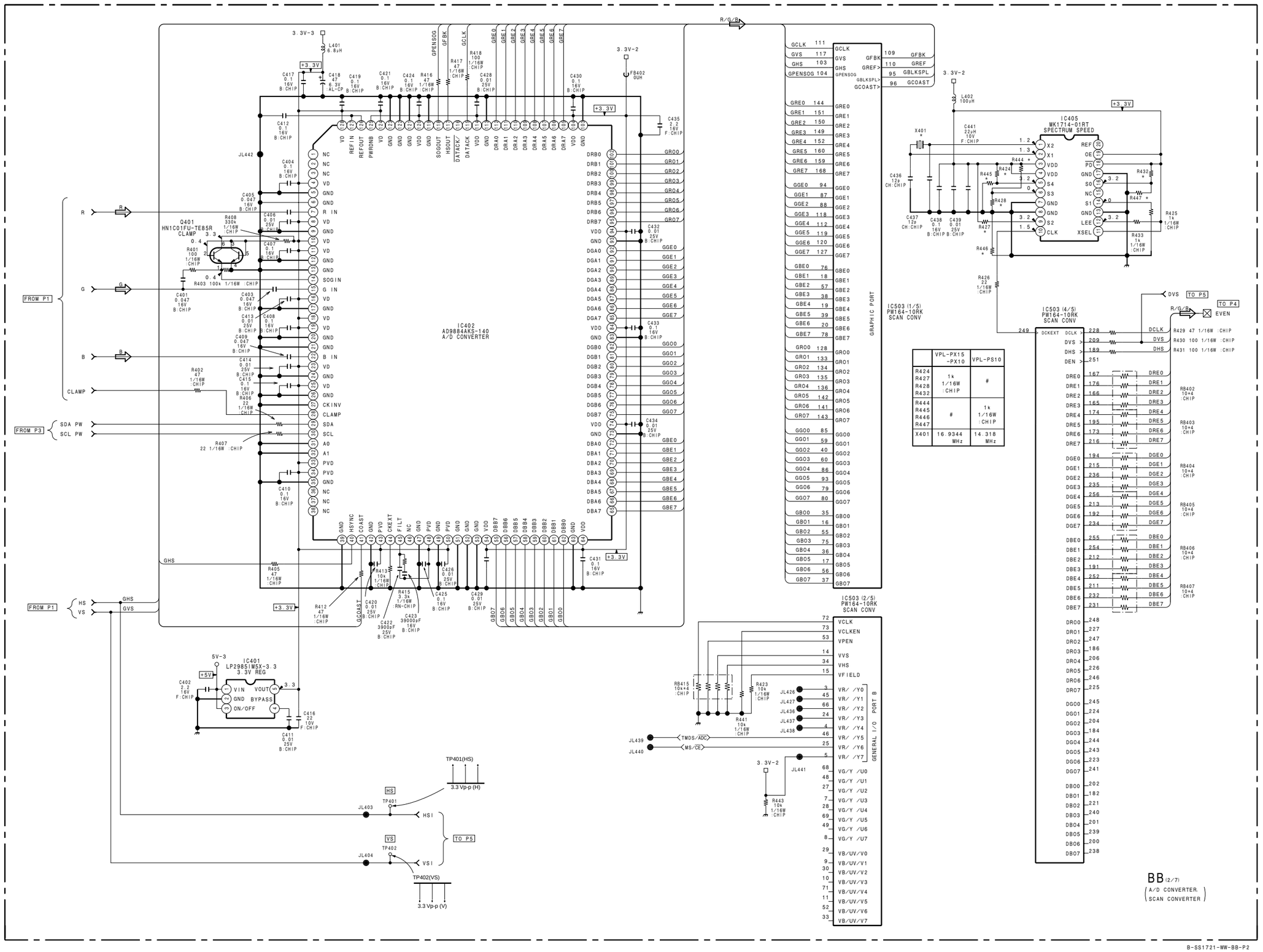


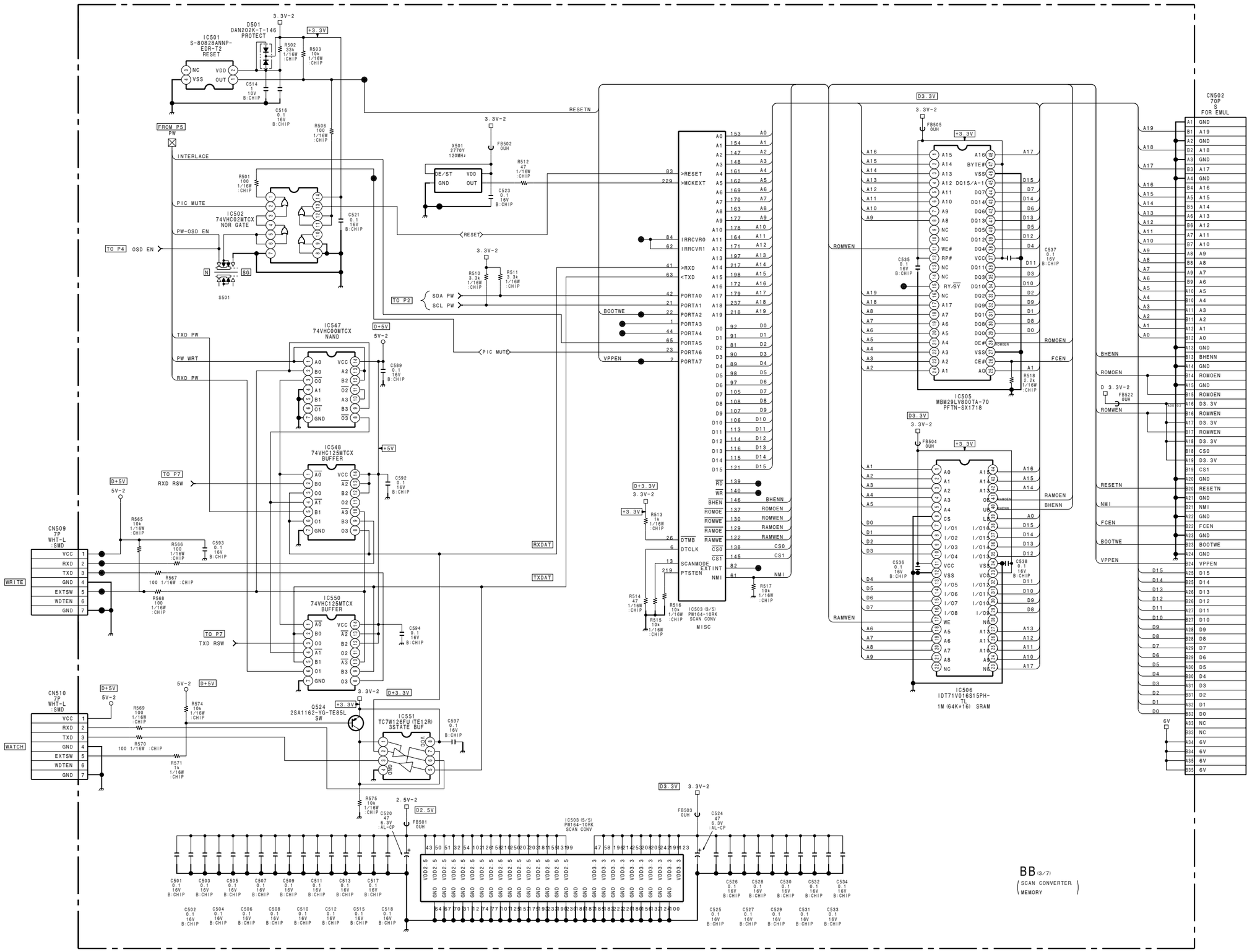
BB **-B SIDE-**

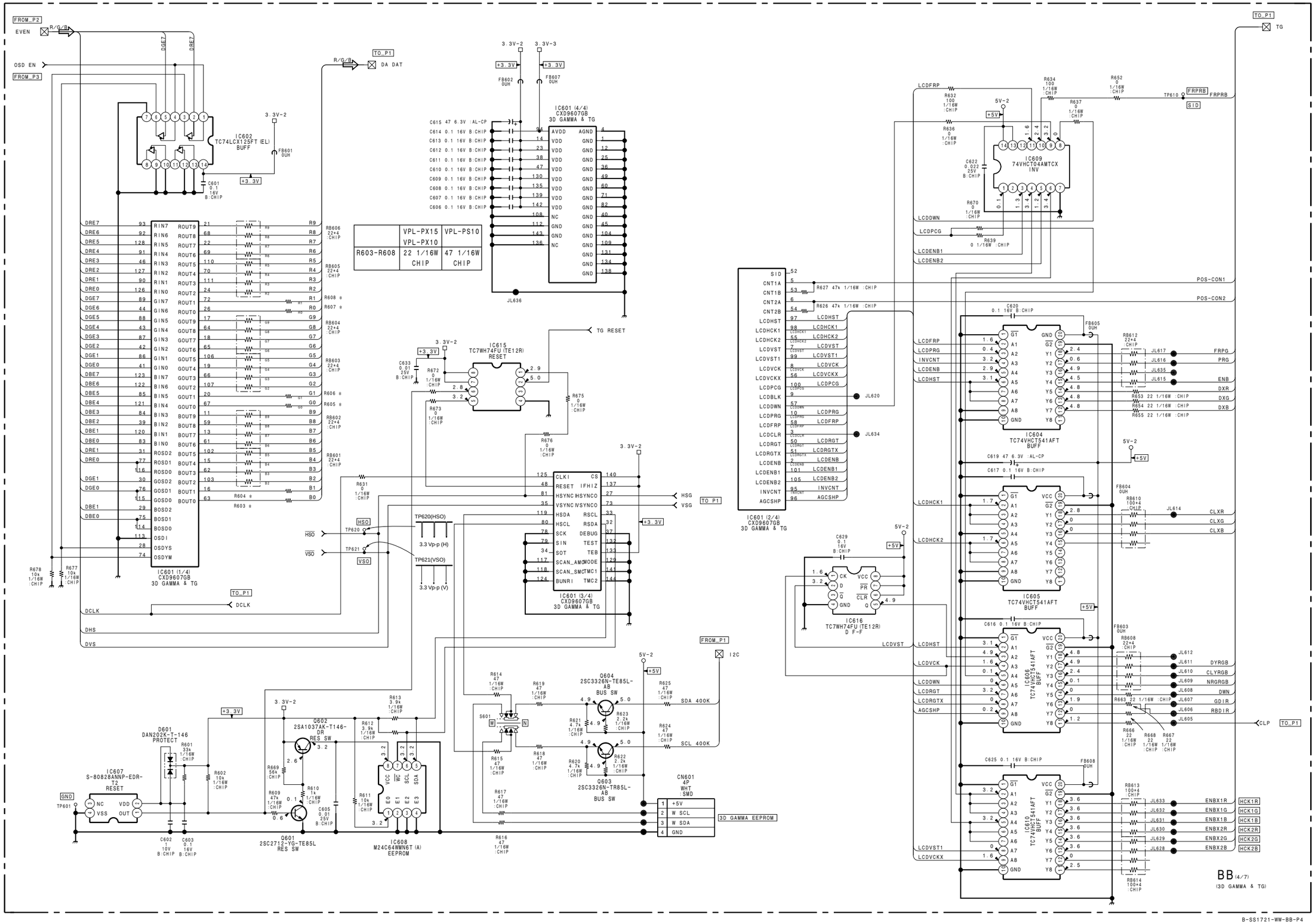
SUFFIX: -11

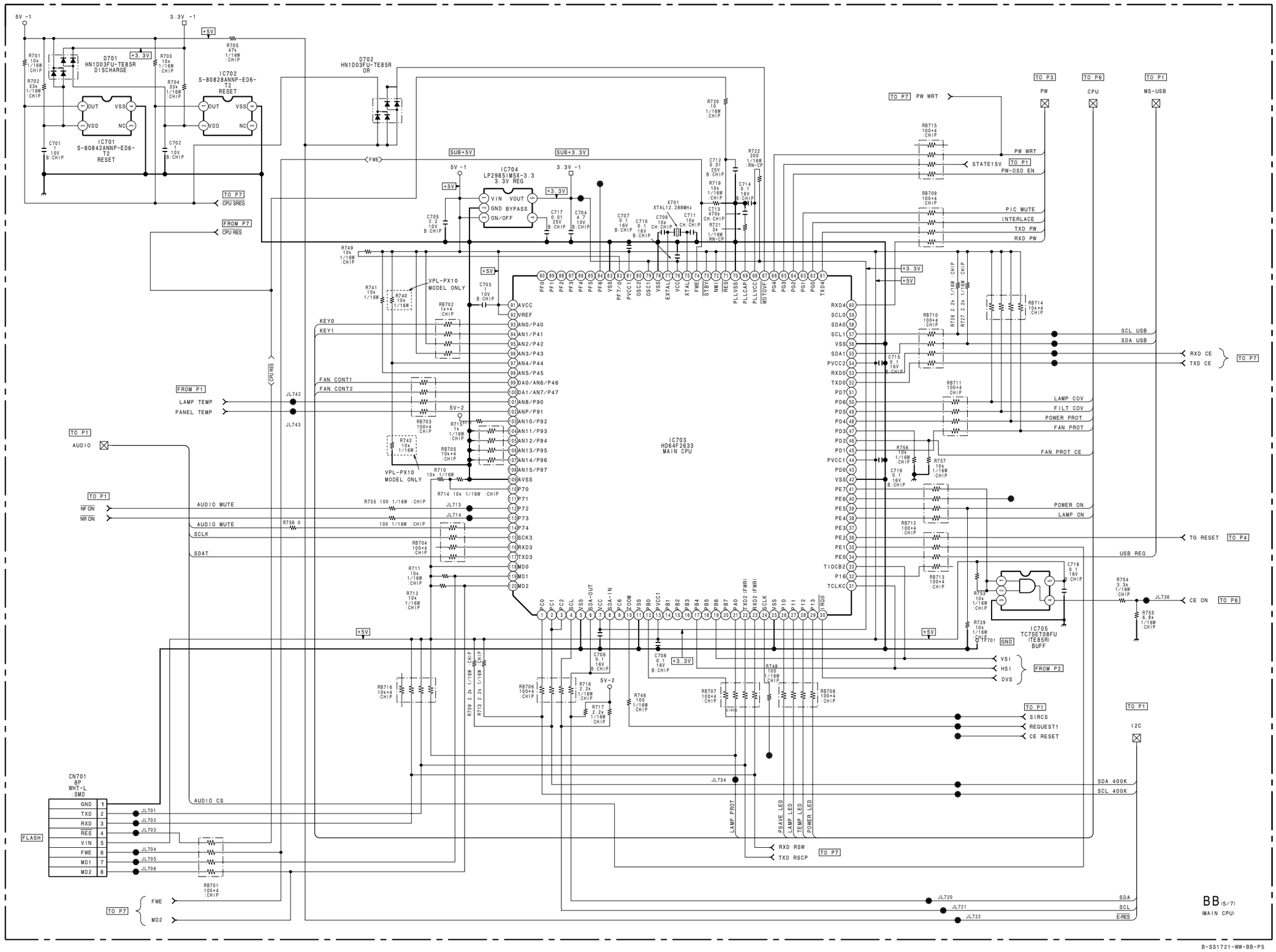
BB (1/7)

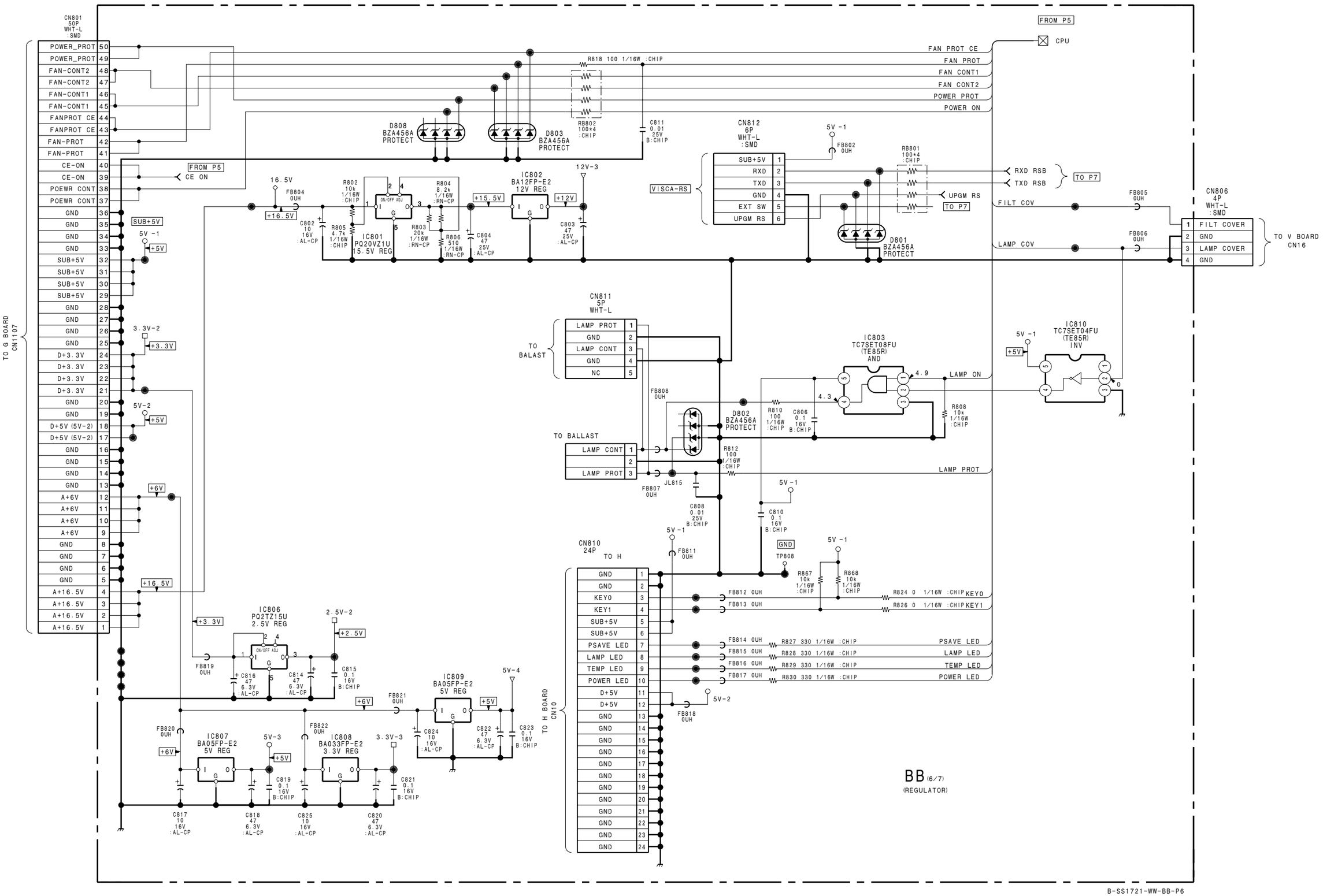

CN308 70P WHT L
CN303 70P WHT S
CN304 70P WHT L
CN305 70P WHT L
CN307 50P L
IC301 24LC21AT/SN DDC
IC302 M52758FP VIDEO SW
IC303 M52347FP-TE SYNC SEP
IC304 (1/3) TC7WH04FU (TE12R) INV
IC304 (2/3) TC7WH04FU (TE12R) INV
IC304 (3/3) TC7WH04FU (TE12R) INV
IC305 74VHC240MTCX INV SW
IC306 TC7WH123FU (TE12R) MONO MULTI
IC307 CXA1875AM-T4 DAC
IC308 74VHC02MTCX NOR GATE
IC309 TA78M09F (TE16L) 9V REG
Q301 2SA1611-T1-M5M6 POW SW
Q302 HN1B01FU-TE85R LIMITER
Q303 HN1B01FU-TE85R LIMITER
D306 1SS355TE-17
D307 1SS355TE-17
TH301
TP301(R)
TP302(G)
TP303(B)
620 mVp-p (H)
TO P2
TO P5
TO P7
FROM P4
FROM P5
TO 0B BOARD CN31
TO 0A BOARD CN20
TO BA BOARD CN101
TO C BOARD CN1201
TO C BOARD CN1202
V AUDIO-L
V AUDIO-R
AUDIO CS
SDAT
SCLK
AUDIO MUTE
SIRCS
SIRCS-NR
NR ON
NF ON
RXD CE
TXD CE
VIDEO/RGB
CE RESET
UPGM CE
URT SW
REQUEST1
A-CS
SDAT
AU-CLK
AU-MUTE
SCL-DDC
SIRCS-CPU
SDA-DDC
SIRCS-NR
SW-DDC
A/B (IN A/CE)
NR-ON
RXD CE (UART)
NF-ON
TXD CE (UART)
VS
HS
CLAMP
SCL
SDA
SCL 400K
SDA 400K
E-RES
15K-CS
SDA USB
SCL USB
USB REQ
MS-USB
DA DAT
AUDIO
VIDEO/RGB
CV/OTHER
YC/OTHER
PC RGB/OTHER
INPUTA/CE
PC SYNC/OTHER
DTV-B
DTV-G
DTV-R
DTV-HD
DTV-VD
V-R
V-G
V-B
V-VD
V-CLP
V-HD
LAMP TEMP
PANEL TEMP
POS-CON2
POS-CON1
ENBX2B
ENBX2G
ENBX2R
ENBX1B
ENBX1G
ENBX1R
RBDIR
GDIR
DWN
NRGRGB
CLYRGB
DYRGB
CLXB
CLXG
CLXR
DXB
DXG
STATE 15V
DXR
ENB
PRG
FRPG
FRPRB
SUB+5V
A+16.5V
A+12V (12V-3)
A+5V (5V-3)
D+5V (5V-2)
D+3.3V
SDA_100K
SCL_100K
VSO
HSO
DCLK
CLP
RBDIR
GDIR
DWN
NRGRGB
CLYRGB
DYRGB
CLXB
CLXG
CLXR
DXB
DXG
STATE 15V
DXR
ENB
PRG
FRPG
FRPRB
SDA
SCL
DA DAT
BB (1/7) (VIDEO SW. SYNC SEP)
B-SS1721-WW-BB-P1

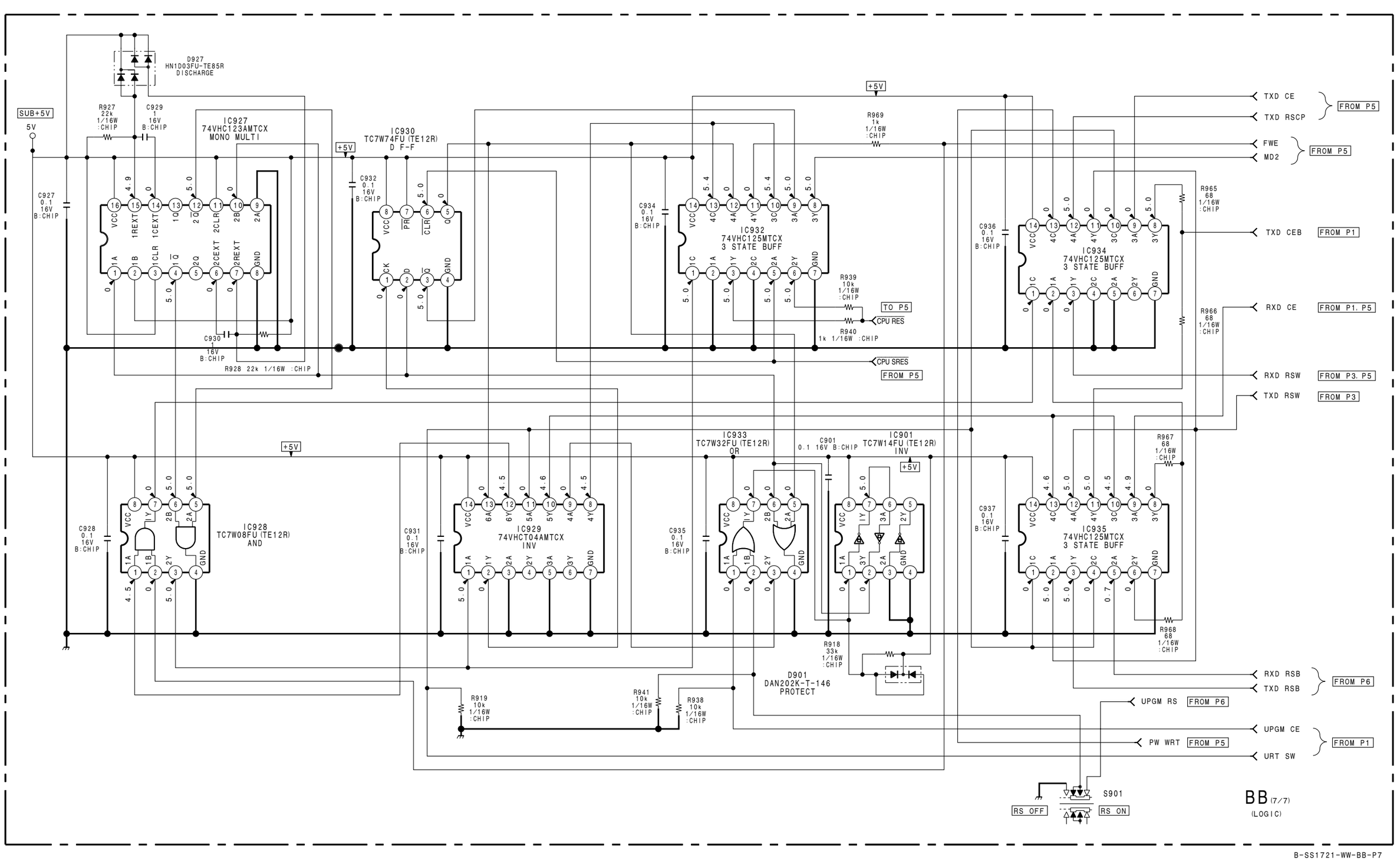

IC402
AD9884AKS-140
A/D CONVERTER
IC401
LP2985IMSX-3.3
3.3V REG
IC405
MK1714-01RT
SPECTRUM SPEED
IC503 (1/5)
PW164-10RK
SCAN CONV
IC503 (2/5)
PW164-10RK
SCAN CONV
IC503 (4/5)
PW164-10RK
SCAN CONV
GRAPHIC PORT
GENERAL I/O PORT B
Q401
HN1C01FU-TE85R
CLAMP
FROM P1
FROM P3
TO P5
TO P4
EVEN
TP401(HS)
TP402(VS)
3.3 Vp-p (H)
3.3 Vp-p (V)
VPL-PX15 -PX10
VPL-PS10
BB (2/7)
A/D CONVERTER
SCAN CONVERTER
B-SS1721-WW-BB-P2


IC501 S-80828ANNP-EBR-T2 RESET
D501 DAN202K-T-146 PROTECT
IC502 74VHC02MTCX NOR GATE
IC547 74VHC00MTCX NAND
IC548 74VHC125MTCX BUFFER
IC550 74VHC125MTCX BUFFER
IC551 TC7W126FU (TE12R) 3STATE BUF
Q524 2SA1162-YG-TE85L SW
X501 2770Y 120MHz
IC503 (3/5) PW164-10RK SCAN CONV MISC
IC505 MBM29LV800TA-70 PFTN-SX1718
IC506 IDT71V016S15PH- TI 1M (64K*16) SRAM
CN502 70P S FOR EMUL
CN509 7P WHT-L SMD
CN510 7P WHT-L SMD
S501
RESETN
INTERLACE
PIC MUTE
PW-OSD EN
OSD EN
TXD PW
PW WRT
RXD PW
RXD RSW
TXD RSW
RXDAT
TXDAT
WRITE
WATCH
SDA PW
SCL PW
PIC MUT
BOOTWE
VPPEN
ROMWEN
RAMWEN
ROMOEN
FCEN
BHENN
RESET
MCKEXT
IRRCVR0
IRRCVR1
RXD
TXD
PORTA0
PORTA1
PORTA2
PORTA3
PORTA4
PORTA5
PORTA6
PORTA7
RD
WR
BHEN
ROMOE
ROMWE
RAMOE
RAMWE
CS0
CS1
NMI
DTMB
DTCLK
SCANMODE
PTSTEN
EXTINT
BB (3/7) (SCAN CONVERTER. MEMORY)
B-SS1721-WW-BB-P3


FROM_P2
EVEN
R/G/B
OSD EN
FROM_P3
DGE7
DRE7
IC602
TC74LCX125FT (EL)
BUFF
FB601
0UH
C601
0.1
16V
B:CHIP
IC601 (1/4)
CXD9607GB
3D GAMMA & TG
RB606
RB605
RB604
RB603
RB602
RB601
R608 *
R607 *
R606 *
R605 *
R604 *
R603 *
TO_P1
DA DAT
IC601 (4/4)
CXD9607GB
3D GAMMA & TG
C615 47 6.3V :AL-CP
C614 0.1 16V B:CHIP
C613 0.1 16V B:CHIP
C612 0.1 16V B:CHIP
C611 0.1 16V B:CHIP
C610 0.1 16V B:CHIP
C609 0.1 16V B:CHIP
C608 0.1 16V B:CHIP
C607 0.1 16V B:CHIP
C606 0.1 16V B:CHIP
JL636
VPL-PX15
VPL-PX10
VPL-PS10
R603-R608
22 1/16W CHIP
47 1/16W CHIP
IC615
TC7WH74FU (TE12R)
RESET
TG RESET
R672
R673
R675
R676
IC601 (3/4)
CXD9607GB
3D GAMMA & TG
R631
HSO
VSO
TP620(HSO)
TP621(VSO)
3.3 Vp-p (H)
3.3 Vp-p (V)
HSG
VSG
DCLK
DHS
DVS
R678
R677
IC607
S-80828ANNP-EDR-T2
RESET
TP601
D601
DAN202K-T-146
PROTECT
Q602
2SA1037AK-T146-DR
RES SW
Q601
2SC2712-YG-TE85L
RES SW
IC608
M24C64WMN6T (A)
EEPROM
C602
C603
C605
0.01
25V
B:CHIP
Q604
2SC3326N-TE85L-AB
BUS SW
Q603
2SC3326N-TR85L-AB
BUS SW
S601
SDA 400K
SCL 400K
CN601
4P
WHT
:SMD
3D GAMMA EEPROM
FROM_P1
I2C
TO_P1
TG
IC601 (2/4)
CXD9607GB
3D GAMMA & TG
SID
CNT1A
CNT1B
CNT2A
CNT2B
LCDHST
LCDHCK1
LCDHCK2
LCDVST
LCDVST1
LCDVCK
LCDVCKX
LCDPCG
LCDBLK
LCDDWN
LCDPRG
LCDFRP
LCDCLR
LCDRGT
LCDRGTX
LCDENB
LCDENB1
LCDENB2
INVCNT
AGCSHP
R627 47k 1/16W :CHIP
R626 47k 1/16W :CHIP
JL620
JL634
IC609
74VHCT04AMTCX
INV
IC604
TC74VHCT541AFT
BUFF
IC605
TC74VHCT541AFT
BUFF
IC606
TC74VHCT541AFT
BUFF
IC610
TC74VHCT541AFT
BUFF
IC616
TC7WH74FU (TE12R)
D F-F
FRPRB
SID
POS-CON1
POS-CON2
FRPG
PRG
ENB
DXR
DXG
DXB
CLXR
CLXG
CLXB
DYRGB
CLYRGB
NRGRGB
DWN
GDIR
RBDIR
CLP
ENBX1R
ENBX1G
ENBX1B
ENBX2R
ENBX2G
ENBX2B
HCK1R
HCK1G
HCK1B
HCK2R
HCK2G
HCK2B
BB (4/7)
(3D GAMMA & TG)
B-SS1721-WW-BB-P4

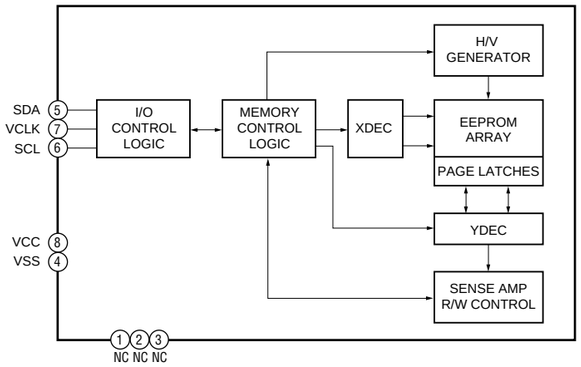

IC703
HD64F2633
MAIN CPU
IC704
LP2985IMSX-3.3
3.3V REG
IC705
TC75ET08FU
(TE85R)
BUFF
D701
HN1D03FU-TE85R
DISCHARGE
D702
HN1D03FU-TE85R
OR
IC701
S-80842ANNP-ED6-T2
RESET
IC702
S-80828ANNP-ED6-T2
RESET
X701
XTAL12.288MHz
VPL-PX10
MODEL ONLY
CN701
8P
WHT-L
:SMD
FLASH
TO P1
TO P3
TO P6
TO P7
FROM P1
FROM P2
FROM P7
PW
CPU
MS-USB
PW WRT
STATE15V
PW-OSD EN
PIC MUTE
INTERLACE
TXD PW
RXD PW
SCL USB
SDA USB
RXD CE
TXD CE
LAMP COV
FILT COV
POWER PROT
FAN PROT
FAN PROT CE
POWER ON
LAMP ON
TG RESET
USB REQ
CE ON
VSI
HSI
DVS
SIRCS
REQUEST1
CE RESET
I2C
SDA 400K
SCL 400K
AUDIO
AUDIO MUTE
AUDIO CS
NFON
NRON
SCLK
SDAT
FWE
MD2
LAMP TEMP
PANEL TEMP
KEY0
KEY1
FAN CONT1
FAN CONT2
LAMP PROT
PSAVE LED
LAMP LED
TEMP LED
POWER LED
RXD RSW
TXD RSCP
CPU SRES
CPU RES
SUB+5V
SUB+3.3V
+5V
+3.3V
5V -1
3.3V -1
5V-2
GND
BB (5/7)
(MAIN CPU)
B-SS1721-WW-BB-P5


CN801 50P WHT-L :SMD
POWER_PROT 50
POWER_PROT 49
FAN-CONT2 48
FAN-CONT2 47
FAN-CONT1 46
FAN-CONT1 45
FANPROT CE 44
FANPROT CE 43
FAN-PROT 42
FAN-PROT 41
CE-ON 40
CE-ON 39
POEWR CONT 38
POEWR CONT 37
GND 36
GND 35
GND 34
GND 33
SUB+5V 32
SUB+5V 31
SUB+5V 30
SUB+5V 29
GND 28
GND 27
GND 26
GND 25
D+3.3V 24
D+3.3V 23
D+3.3V 22
D+3.3V 21
GND 20
GND 19
D+5V (5V-2) 18
D+5V (5V-2) 17
GND 16
GND 15
GND 14
GND 13
A+6V 12
A+6V 11
A+6V 10
A+6V 9
GND 8
GND 7
GND 6
GND 5
A+16.5V 4
A+16.5V 3
A+16.5V 2
A+16.5V 1
TO G BOARD CN1107
FROM P5
CE ON
SUB+5V
5V -1
+5V
3.3V-2
+3.3V
5V-2
+5V
+6V
+16.5V
FAN PROT CE
FAN PROT
FAN CONT1
FAN CONT2
POWER PROT
POWER ON
R818 100 1/16W :CHIP
RB802 100×4 :CHIP
D808 BZA456A PROTECT
D803 BZA456A PROTECT
C811 0.01 25V B:CHIP
FROM P5
CPU
CN812 6P WHT-L :SMD
VISCA-RS
SUB+5V 1
RXD 2
TXD 3
GND 4
EXT SW 5
UPGM RS 6
5V -1
FB802 0UH
RB801 100×4 :CHIP
RXD RSB
TXD RSB
TO P7
UPGM RS
TO P7
D801 BZA456A PROTECT
FILT COV
LAMP COV
FB805 0UH
FB806 0UH
CN806 4P WHT-L :SMD
1 FILT COVER
2 GND
3 LAMP COVER
4 GND
TO V BOARD CN16
16.5V
FB804 0UH
+16.5V
C802 10 16V :AL-CP
R805 4.7k 1/16W :CHIP
IC801 PQ20VZ1U 15.5V REG
R802 10k 1/16W :CHIP
R803 20k 1/16W :RN-CP
R804 8.2k 1/16W :RN-CP
R806 510 1/16W :RN-CP
C804 47 25V :AL-CP
+15.5V
IC802 BA12FP-E2 12V REG
+12V
12V-3
C803 47 25V :AL-CP
CN811 5P WHT-L
TO BALAST
LAMP PROT 1
GND 2
LAMP CONT 3
GND 4
NC 5
TO BALLAST
LAMP CONT 1
2
LAMP PROT 3
FB808 0UH
D802 BZA456A PROTECT
R810 100 1/16W :CHIP
C806 0.1 16V B:CHIP
IC803 TC7SET08FU (TE85R) AND
4.9
4.3
LAMP ON
R808 10k 1/16W :CHIP
IC810 TC7SET04FU (TE85R) INV
5V -1
+5V
0
R812 100 1/16W :CHIP
LAMP PROT
FB807 0UH
JL815
C808 0.01 25V B:CHIP
C810 0.1 16V B:CHIP
5V -1
FB811 0UH
GND
TP808
5V -1
R867 10k 1/16W :CHIP
R868 10k 1/16W :CHIP
CN810 24P TO H
GND 1
GND 2
KEY0 3
KEY1 4
SUB+5V 5
SUB+5V 6
PSAVE LED 7
LAMP LED 8
TEMP LED 9
POWER LED 10
D+5V 11
D+5V 12
GND 13
GND 14
GND 15
GND 16
GND 17
GND 18
GND 19
GND 20
GND 21
GND 22
GND 23
GND 24
TO H BOARD CN10
FB812 0UH
FB813 0UH
FB814 0UH
FB815 0UH
FB816 0UH
FB817 0UH
R824 0 1/16W :CHIP KEY0
R826 0 1/16W :CHIP KEY1
R827 330 1/16W :CHIP PSAVE LED
R828 330 1/16W :CHIP LAMP LED
R829 330 1/16W :CHIP TEMP LED
R830 330 1/16W :CHIP POWER LED
5V-2
FB818 0UH
IC806 PQ2TZ15U 2.5V REG
2.5V-2
+2.5V
FB819 0UH
C816 47 6.3V :AL-CP
C814 47 6.3V :AL-CP
C815 0.1 16V B:CHIP
IC809 BA05FP-E2 5V REG
5V-4
FB821 0UH
C824 10 16V :AL-CP
C822 47 6.3V :AL-CP
C823 0.1 16V B:CHIP
FB820 0UH
IC807 BA05FP-E2 5V REG
5V-3
FB822 0UH
IC808 BA033FP-E2 3.3V REG
3.3V-3
C819 0.1 16V B:CHIP
C821 0.1 16V B:CHIP
C817 10 16V :AL-CP
C818 47 6.3V :AL-CP
C825 10 16V :AL-CP
C820 47 6.3V :AL-CP
BB (6/7)
(REGULATOR)
B-SS1721-WW-BB-P6

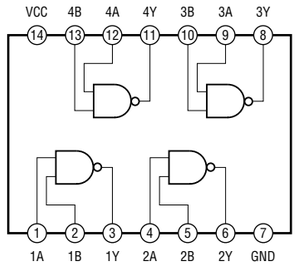


B-SS1721-WW-BB-P7

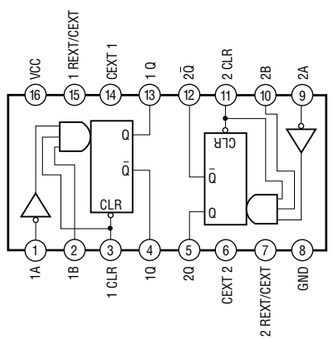
BB (1/7) 24LC21AT/SN (IC301)



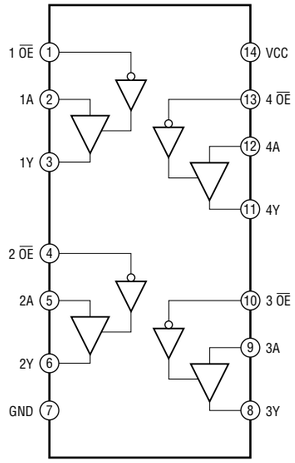
BB (3/7) 74VHC00MTCX (IC547)



BB (7/7) 74VHC123AMTCX (IC927)

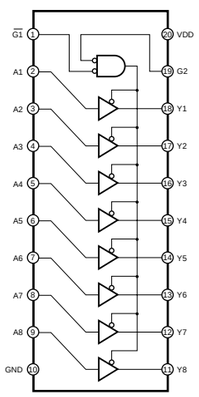


BB (3/7), (7/7) 74VHC125MTCX (IC548, IC550, IC932, IC934, IC935)

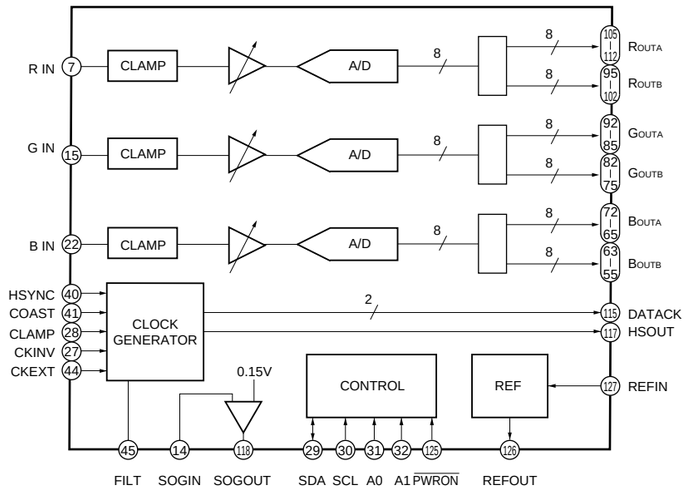


BB (7/7) 74VHCT04AMTCX (IC609) (IC929)

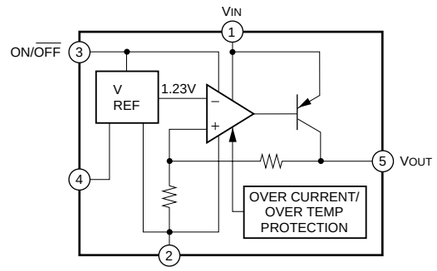
BB (4/7) TC74VHCT541AFT (IC604, IC605, IC606, IC610)



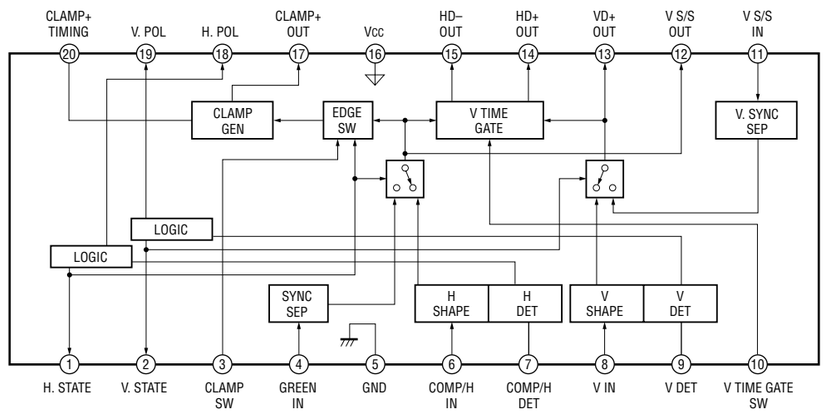
BB (2/7) AD9884AKS-140 (IC402)



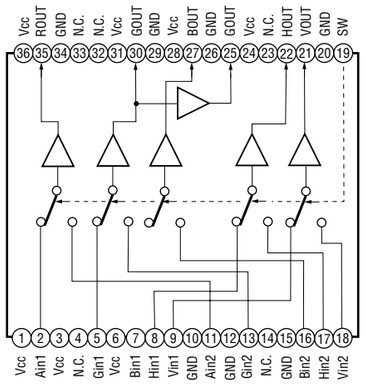
BB (2/7), (5/7) LP2985IM5X-3.3 (IC401, IC704)



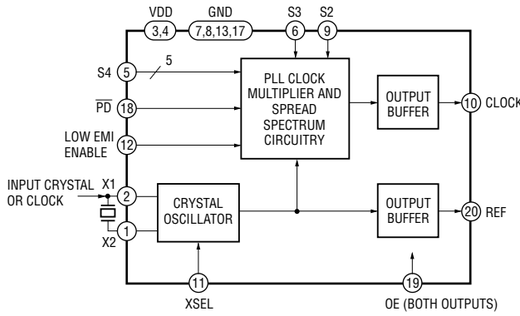
BB (1/7) M52347FP-TE (IC303)



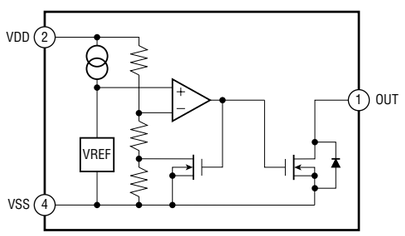
BB (1/7) M52758FP (IC302)


Vcc ROUT GND N.C. N.C. Vcc GOUT GND Vcc BOUT GND GOUT Vcc N.C. HOUT VOUT GND SW
36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Vcc Ain1 Vcc N.C. Gin1 Vcc Bin1 Hin1 Vin1 GND Ain2 GND Gin2 N.C. GND Bin2 Hin2 Vin2

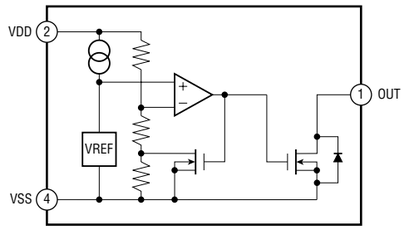
BB (2/7) MK1714-01RT (IC405)



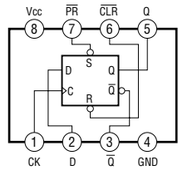
BB (5/7) S-80828ANNP (IC702)



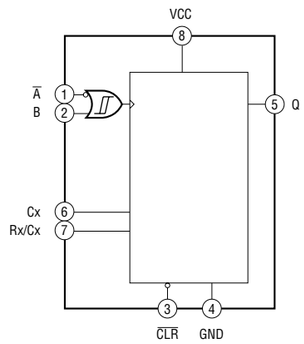
BB (5/7) S-80842ANNP (IC701)



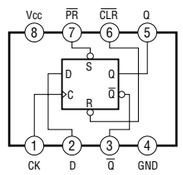
BB (7/7) TC7W74FU(TE12R) (IC930)



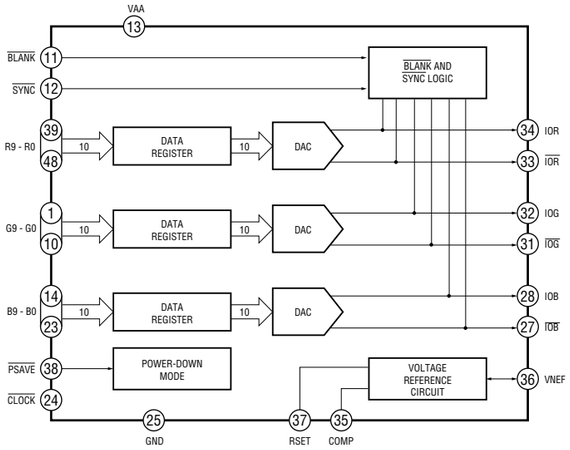
BB (1/7) TC7WH123FU (IC306)



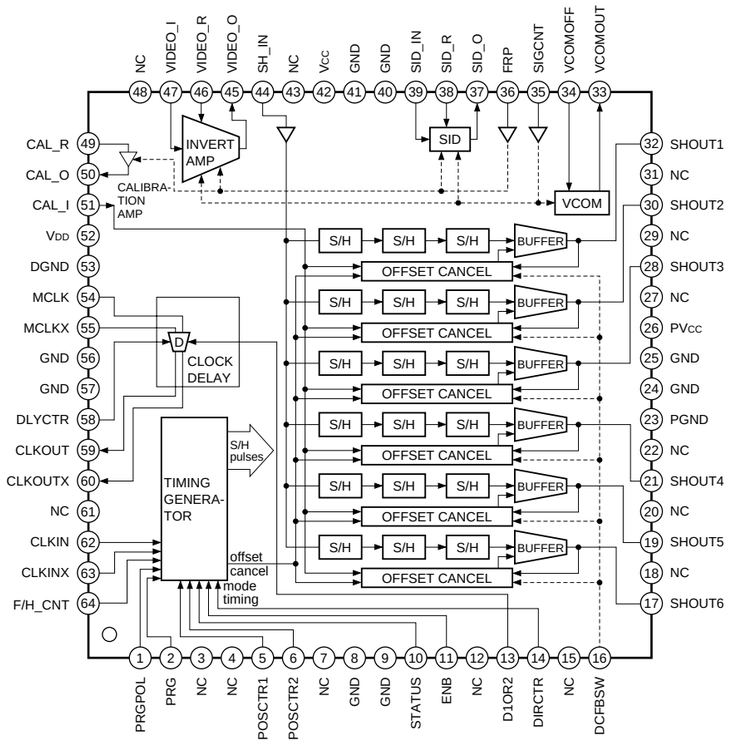
BB (4/7) TC7WH74FU-TE12R (IC615, IC616)



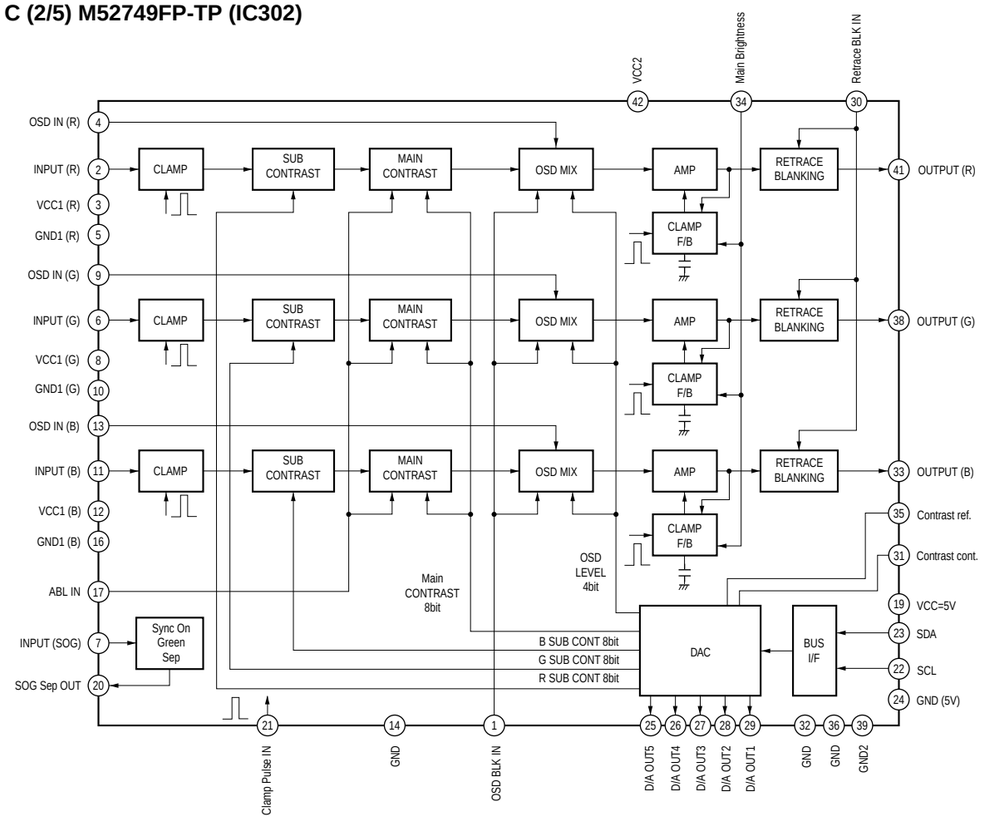
C (2/5) ADV7123KST140 (IC301)



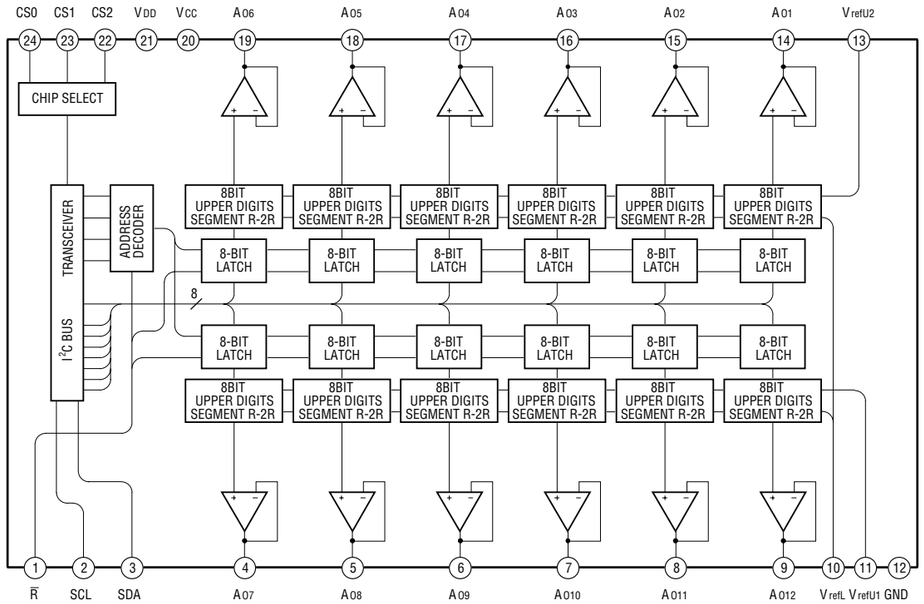
C (3/5), (4/5), (5/5) CXA3512R-T6 (IC501, IC502, IC601, IC602, IC701, IC702)



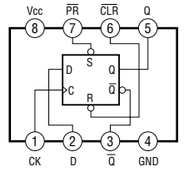
C (2/5) M52749FP-TP (IC302)



C (2/5) M62392FP (IC304, IC305)



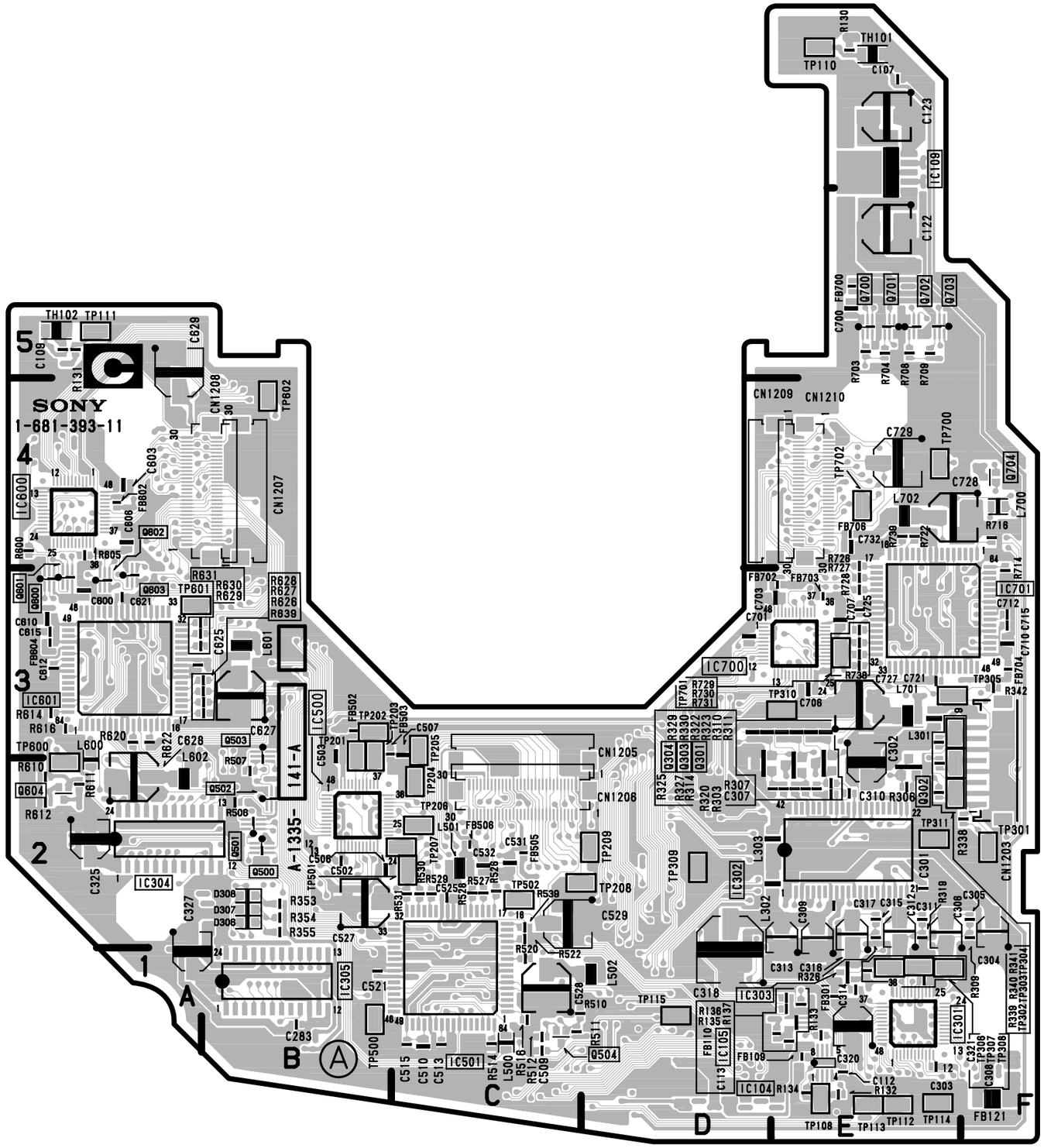
C (1/5) TC7WH74FU(TE12R) (IC104)

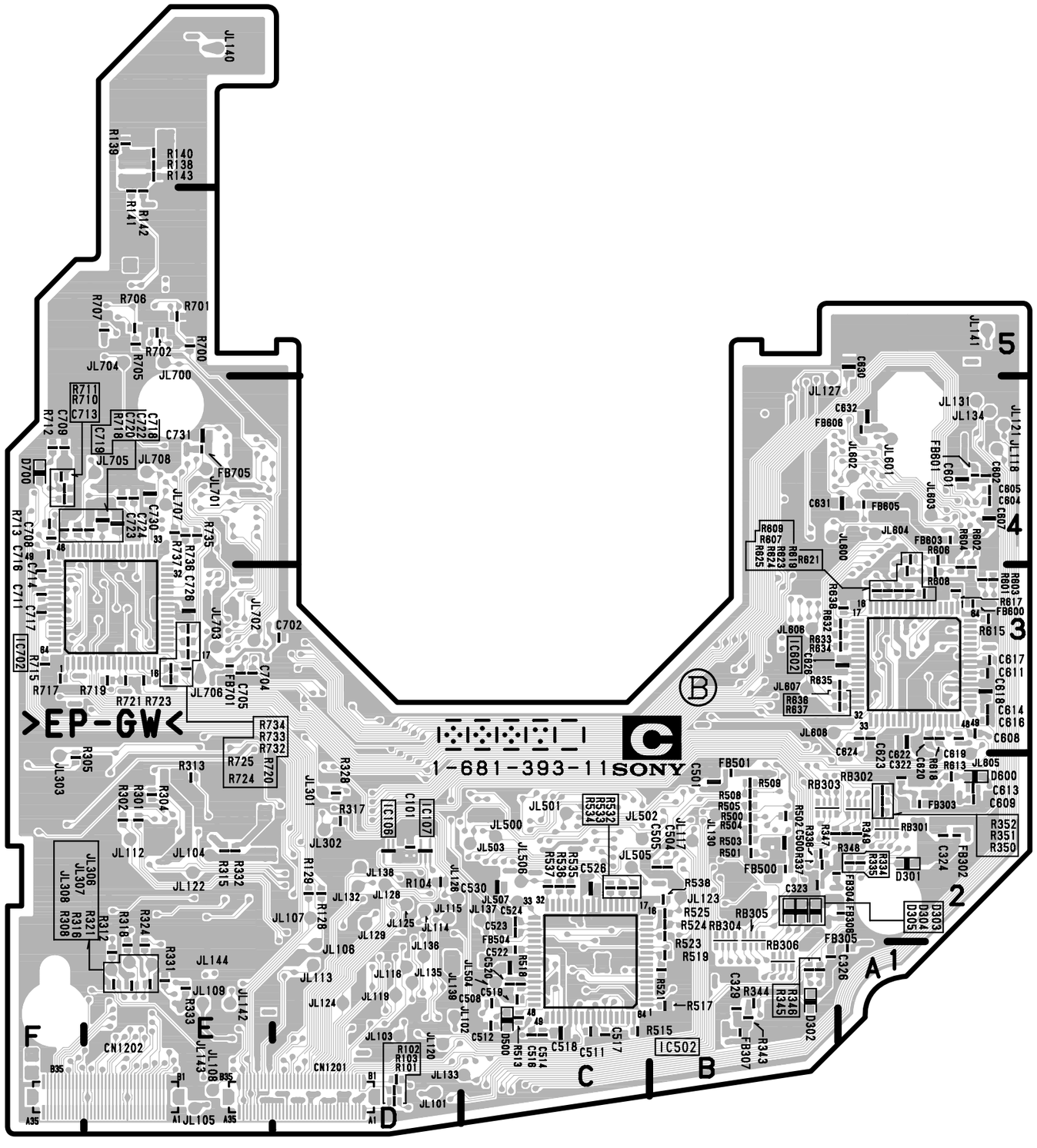


C BOARD

* : B SIDE

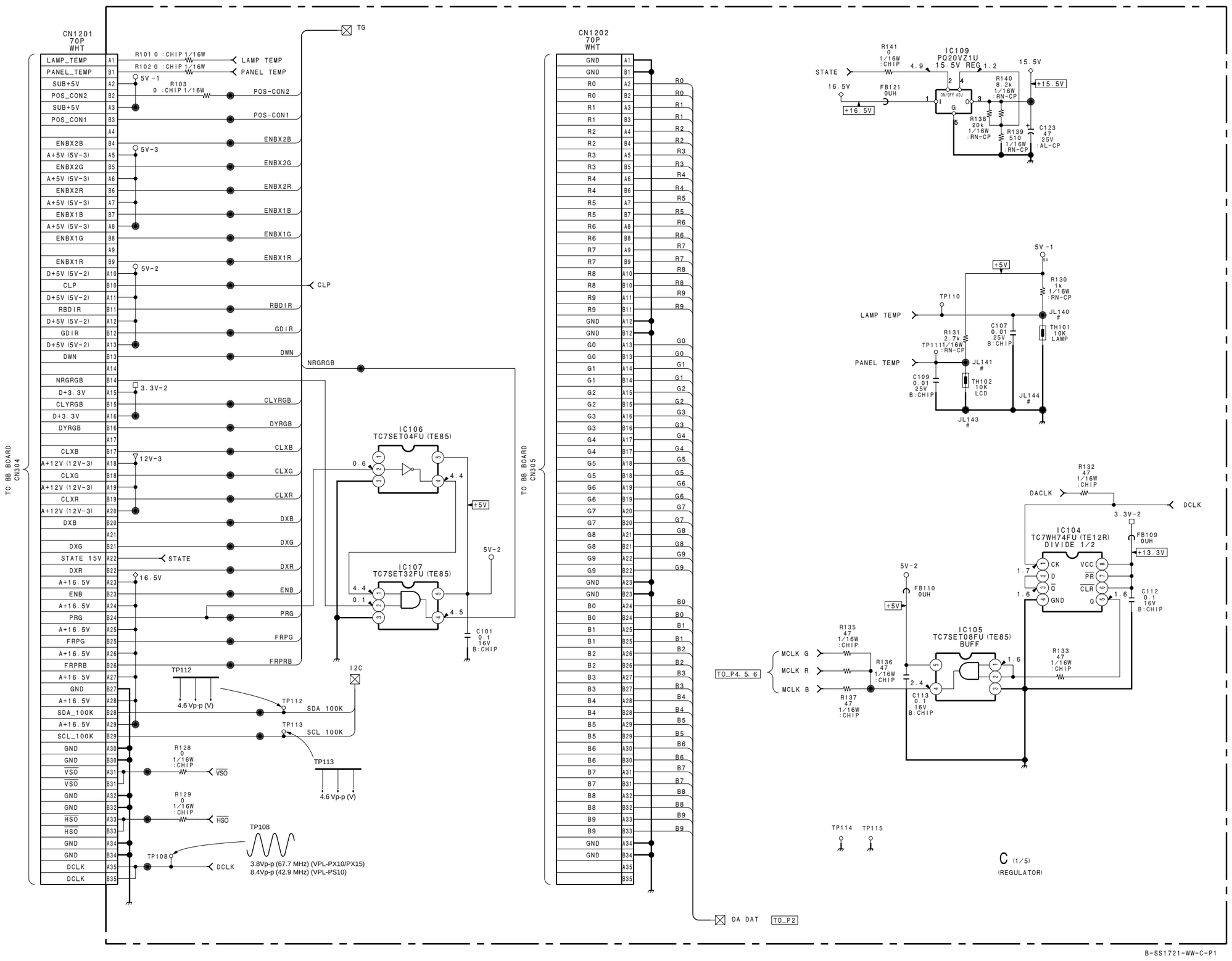
D301	*A-2
D302	*B-1
D303	*B-2
D304	*B-2
D305	*B-2
D306	B-2
D307	B-2
D308	B-2
D500	*C-1
D600	*A-2
D700	*F-4
IC104	E-1
IC105	E-1
IC106	*D-2
IC107	*D-2
IC109	E-6
IC301	E-1
IC302	E-2
IC303	E-1
IC304	A-2
IC305	B-1
IC500	B-3
IC501	C-1
IC502	*C-1
IC600	A-4
IC601	A-3
IC602	*A-3
IC700	F-3
IC701	F-3
IC702	*E-3
Q301	E-2
Q302	E-2
Q303	E-2
Q304	E-2
Q500	B-2
Q501	B-2
Q502	B-2
Q503	B-3
Q504	C-1
Q600	A-3
Q601	A-3
Q602	A-4
Q603	A-4
Q604	A-2
Q700	E-5
Q701	E-5
Q702	E-5
Q703	E-5
Q704	F-4
TP108	E-1
TP110	E-6
TP111	A-5
TP112	E-1
TP113	E-1
TP114	E-1
TP115	D-1
TP201	B-3
TP202	B-3
TP203	B-3
TP204	C-2
TP205	C-3
TP206	C-2
TP207	C-2
TP208	D-2
TP209	D-2
TP301	F-2
TP302	E-3
TP303	E-2
TP304	E-2
TP305	F-3
TP306	E-1
TP307	E-1
TP308	E-1
TP309	D-2
TP310	E-3
TP311	E-2
TP500	B-1
TP501	B-2
TP502	C-2
TP600	A-3
TP601	A-3
TP602	B-4
TP700	E-4
TP701	F-3
TP702	E-4

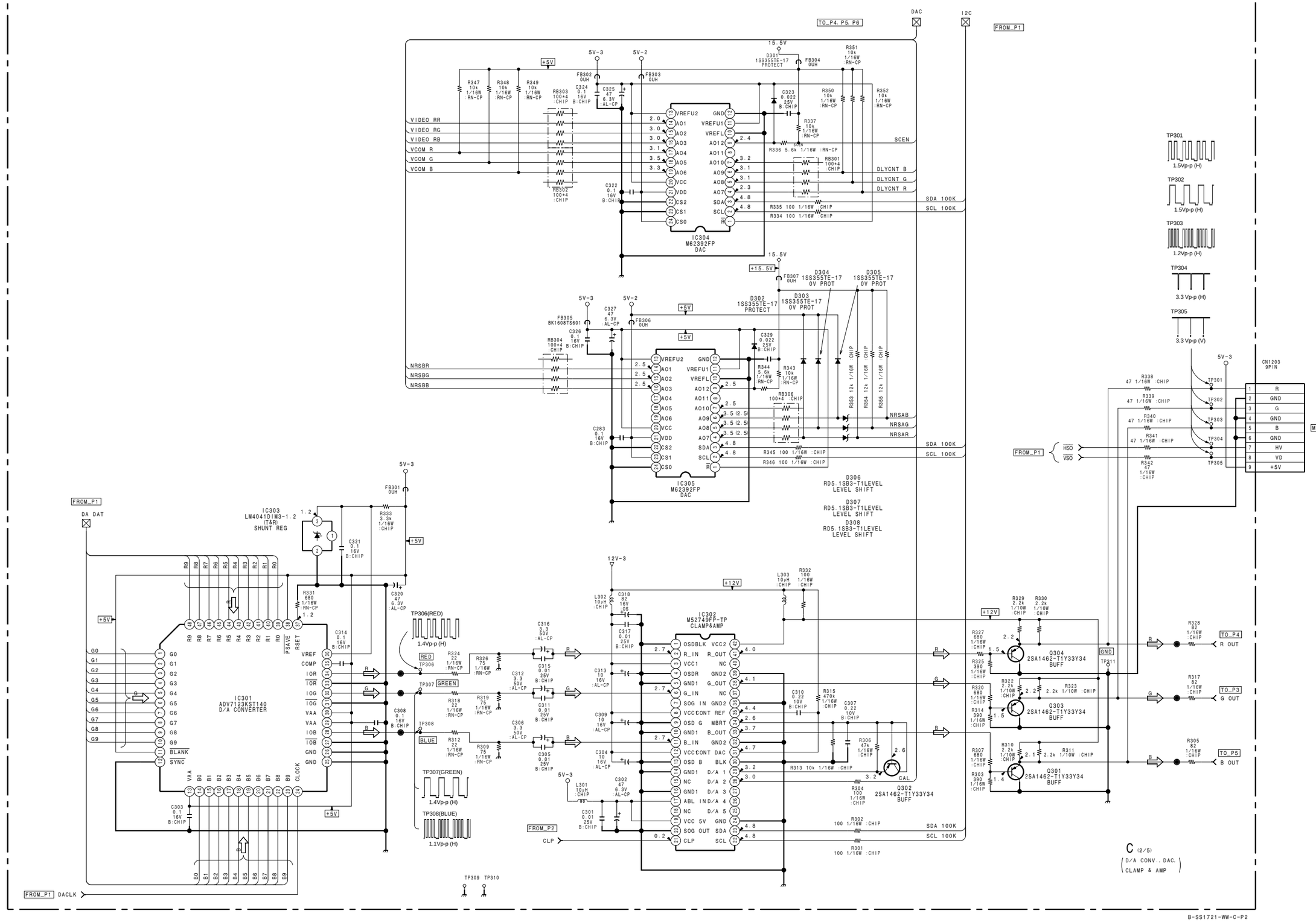

SONY
1-681-393-11
A-1335-
L41-A
TH102 TP111
TH101
TP110
IC600
IC601
IC304
IC500
IC700
IC701
IC303
IC105
IC104
IC109
IC1203
CN1207
CN1208
CN1205
CN1206
CN1209
CN1210
TP602
TP600
TP601
TP500
TP501
TP502
TP208
TP209
TP700
TP702
TP305
TP310
TP311
TP301
TP115
TP108
TP113
TP112
TP114
FB121
Q503
Q502
Q500
Q501
Q602
Q603
Q604
Q700
Q701
Q702
Q703
Q704
Q301
Q303
Q304
Q504
L600
L601
L602
L701
L702
L301
L303
L502
C123
C122
C729
C728
C732
C706
C727
C721
C302
C310
C306
C301
C305
C304
C313
C316
C318
C320
C112
C303
C529
C521
C283
C325
C327
C527
C528
C532
C531
C505
C507
C628
C629
C603
C606
C621
C625
C627
C600
C610
C615
C612
C109
C107
R131
R130
R605
R631
R630
R629
R628
R627
R626
R839
R614
R616
R620
R622
R610
R611
R612
R507
R508
R353
R354
R355
R529
R530
R527
R528
R520
R522
R538
R510
R511
R514
R512
R518
R509
R703
R704
R708
R709
R716
R722
R739
R727
R728
R729
R730
R731
R738
R342
R307
R306
R338
R318
R326
R340
R341
R339
R309
R136
R135
R137
R133
R134
R132
FB700
FB702
FB703
FB704
FB710
FB715
FB502
FB503
FB508
FB505
FB602
FB604
FB301
FB109
FB110
TP202
TP203
TP201
TP204
TP205
TP206
TP207
TP501
TP530
TP531
TP309
TP303
TP304
TP302
TP306
TP307
TP308
TP701
TP705
TP703
TP704
TP706
TP707
TP708
TP709
TP710
TP711
TP712
TP713
TP714
TP715
TP716
TP717
TP718
TP719
TP720
TP721
TP722
TP723
TP724
TP725
TP726
TP727
TP728
TP729
TP730
TP731
TP732
TP733
TP734
TP735
TP736
TP737
TP738
TP739
TP740
TP741
TP742
TP743
TP744
TP745

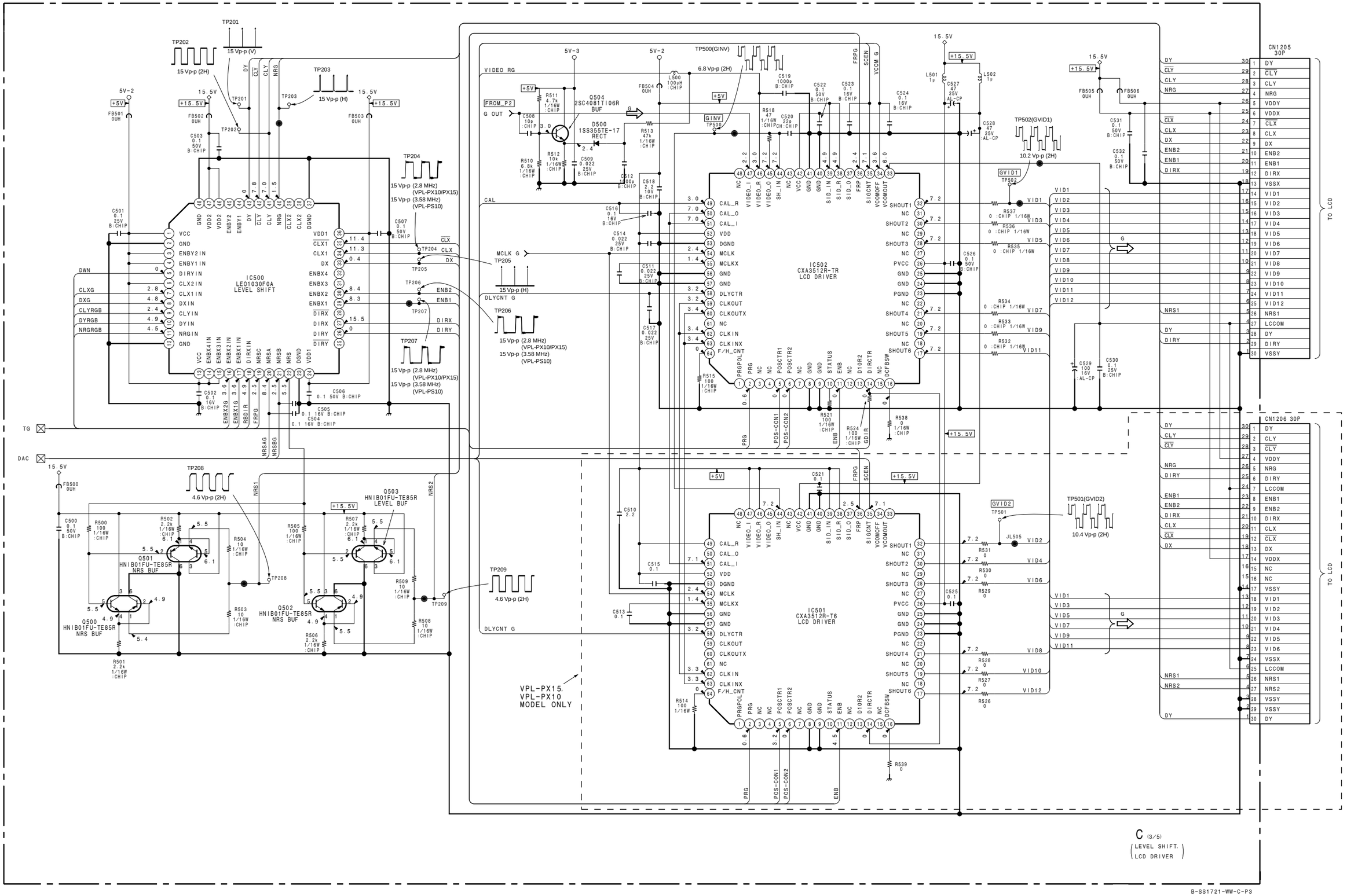


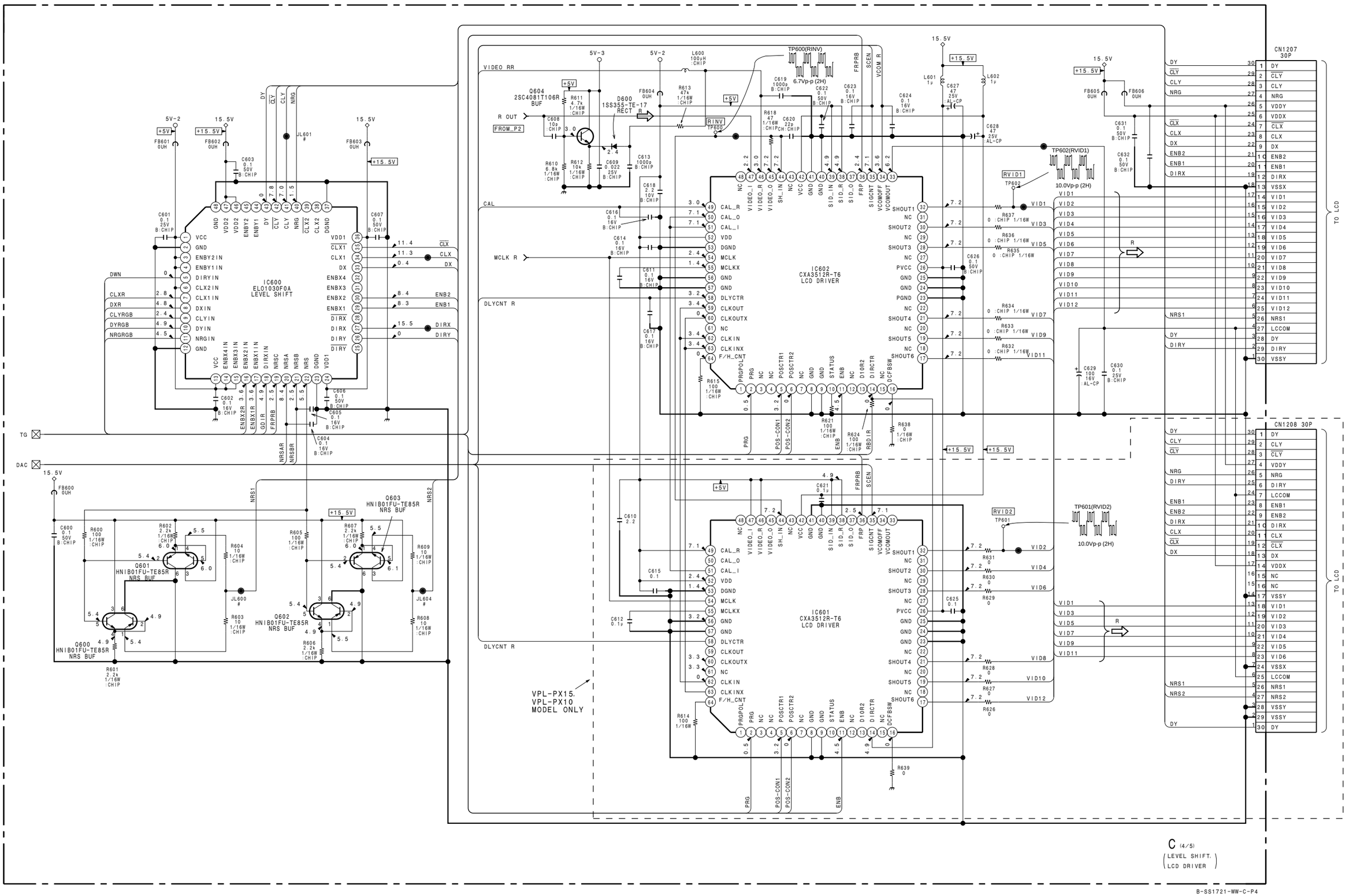
C -B SIDE-

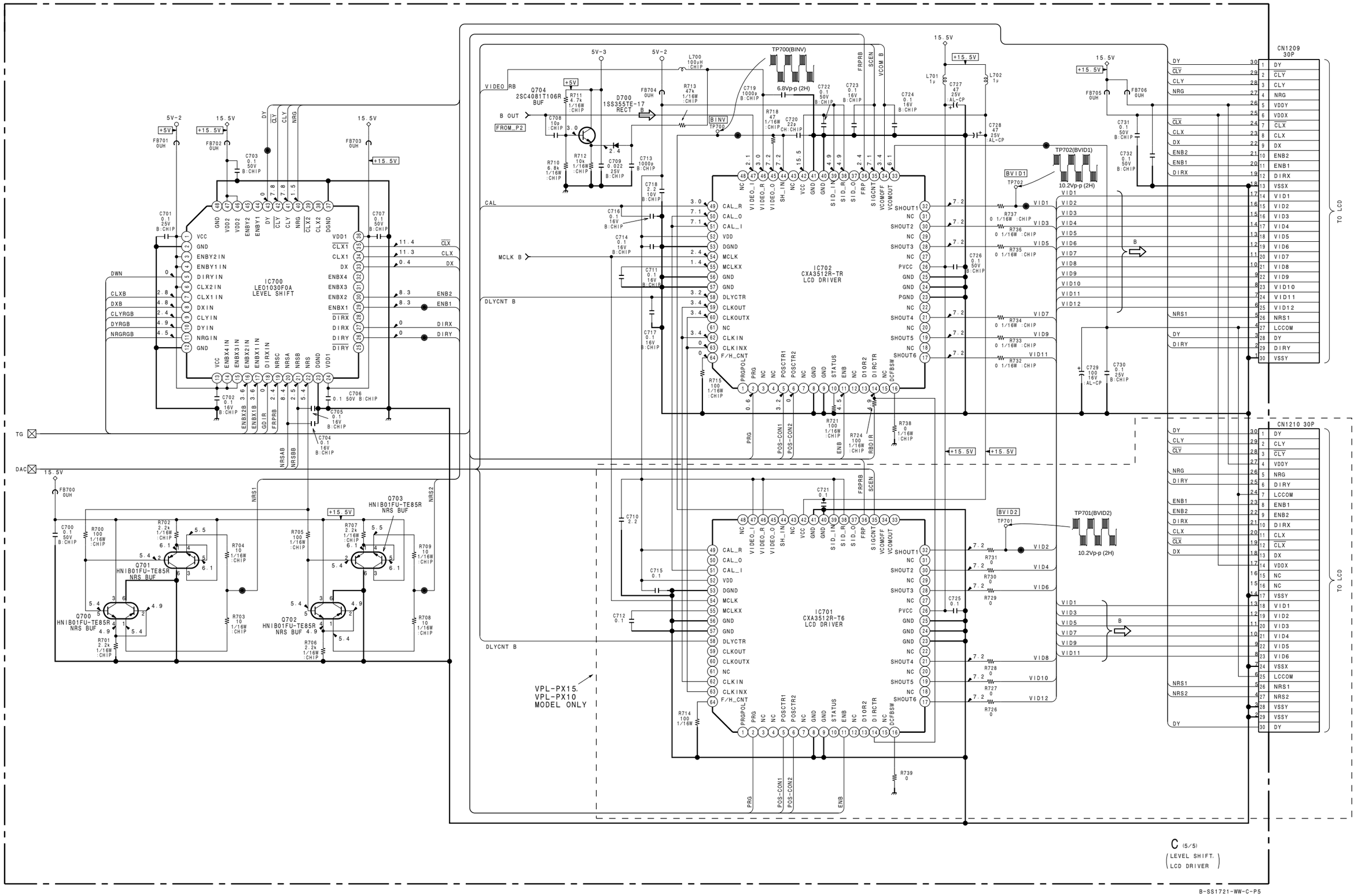
SUFFIX: -11


CN1201
70P
WHT
LAMP_TEMP A1
PANEL_TEMP B1
SUB+5V A2
POS_CON2 B2
SUB+5V A3
POS_CON1 B3
ENBX2B B4
A+5V (5V-3) A5
ENBX2G B5
A+5V (5V-3) A6
ENBX2R B6
A+5V (5V-3) A7
ENBX1B B7
A+5V (5V-3) A8
ENBX1G B8
ENBX1R B9
D+5V (5V-2) A10
CLP B10
D+5V (5V-2) A11
RBDIR B11
D+5V (5V-2) A12
GDIR B12
D+5V (5V-2) A13
DWN B13
NRGRGB B14
D+3.3V A15
CLYRGB B15
D+3.3V A16
DYRGB B16
CLXB B17
A+12V (12V-3) A18
CLXG B18
A+12V (12V-3) A19
CLXR B19
A+12V (12V-3) A20
DXB B20
DXG B21
STATE 15V A22
DXR B22
A+16.5V A23
ENB B23
A+16.5V A24
PRG B24
A+16.5V A25
FRPG B25
A+16.5V A26
FRPRB B26
A+16.5V A27
GND B27
A+16.5V A28
SDA_100K B28
A+16.5V A29
SCL_100K B29
GND A30
GND B30
VSO A31
VSO B31
GND A32
GND B32
HSO A33
HSO B33
GND A34
GND B34
DCLK A35
DCLK B35
TO BB BOARD CN304
R1010 :CHIP 1/16W
R1020 :CHIP 1/16W
LAMP TEMP
PANEL TEMP
5V-1
R103
0 :CHIP 1/16W
POS-CON2
POS-CON1
ENBX2B
5V-3
ENBX2G
ENBX2R
ENBX1B
ENBX1G
ENBX1R
5V-2
CLP
RBDIR
GDIR
DWN
NRGRGB
3.3V-2
CLYRGB
DYRGB
CLXB
12V-3
CLXG
CLXR
DXB
DXG
STATE
16.5V
DXR
ENB
PRG
FRPG
FRPRB
TP112
4.6 Vp-p (V)
TP112
SDA 100K
TP113
SCL 100K
I2C
R128
0
1/16W
:CHIP
VSO
TP113
4.6 Vp-p (V)
R129
0
1/16W
:CHIP
HSO
TP108
TP108
DCLK
3.8Vp-p (67.7 MHz) (VPL-PX10/PX15)
8.4Vp-p (42.9 MHz) (VPL-PS10)
IC106
TC7SET04FU (TE85)
0.6
4.4
+5V
IC107
TC7SET32FU (TE85)
4.4
0.1
4.5
5V-2
C101
0.1
16V
B:CHIP
CN1202
70P
WHT
GND A1
GND B1
R0 A2
R0 B2
R1 A3
R1 B3
R2 A4
R2 B4
R3 A5
R3 B5
R4 A6
R4 B6
R5 A7
R5 B7
R6 A8
R6 B8
R7 A9
R7 B9
R8 A10
R8 B10
R9 A11
R9 B11
GND A12
GND B12
G0 A13
G0 B13
G1 A14
G1 B14
G2 A15
G2 B15
G3 A16
G3 B16
G4 A17
G4 B17
G5 A18
G5 B18
G6 A19
G6 B19
G7 A20
G7 B20
G8 A21
G8 B21
G9 A22
G9 B22
GND A23
GND B23
B0 A24
B0 B24
B1 A25
B1 B25
B2 A26
B2 B26
B3 A27
B3 B27
B4 A28
B4 B28
B5 A29
B5 B29
B6 A30
B6 B30
B7 A31
B7 B31
B8 A32
B8 B32
B9 A33
B9 B33
GND A34
GND B34
A35
B35
TO BB BOARD CN305
DA DAT
TO_P2
R141
0
1/16W
:CHIP
STATE
16.5V
FB121
0UH
+16.5V
IC109
PQ20VZ1U
15.5V REG
4.9
1.2
15.5V
+15.5V
ON/OFF ADJ
G
R140
8.2k
1/16W
:RN-CP
R138
20k
1/16W
:RN-CP
R139
510
1/16W
:RN-CP
C123
47
25V
:AL-CP
5V-1
+5V
TP110
LAMP TEMP
R130
1k
1/16W
:RN-CP
JL140
#
TH101
10K
LAMP
C107
0.01
25V
B:CHIP
R131
2.7k
1/16W
:RN-CP
TP111
PANEL TEMP
JL141
#
TH102
10K
LCD
C109
0.01
25V
B:CHIP
JL143
#
JL144
#
R132
47
1/16W
:CHIP
DACLK
DCLK
3.3V-2
IC104
TC7WH74FU (TE12R)
DIVIDE 1/2
FB109
0UH
+13.3V
1.7
CK
D
Q
GND
VCC
PR
CLR
Q
1.6
1.6
C112
0.1
16V
B:CHIP
5V-2
FB110
0UH
+5V
IC105
TC7SET08FU (TE85)
BUFF
TO_P4. 5. 6
MCLK G
MCLK R
MCLK B
R135
47
1/16W
:CHIP
R136
47
1/16W
:CHIP
R137
47
1/16W
:CHIP
2.4
1.6
R133
47
1/16W
:CHIP
C113
0.1
16V
B:CHIP
TP114
TP115
C (1/5)
(REGULATOR)
B-SS1721-WW-C-P1

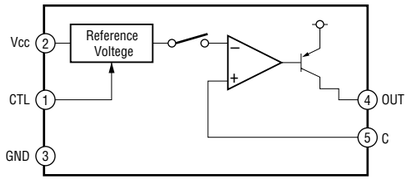

TO_P4. P5. P6
FROM_P1
DAC
I2C
IC304 M62392FP DAC
IC305 M62392FP DAC
IC302 M52749FP-TP CLAMP&AMP
IC303 LM4041DIM3-1.2 (T&R) SHUNT REG
IC301 ADV7123KST140 D/A CONVERTER
D301 1SS355TE-17 PROTECT
D302 1SS355TE-17 PROTECT
D303 1SS355TE-17 OV PROT
D304 1SS355TE-17 OV PROT
D305 1SS355TE-17 OV PROT
D306 RD5.1SB3-T1LEVEL LEVEL SHIFT
D307 RD5.1SB3-T1LEVEL LEVEL SHIFT
D308 RD5.1SB3-T1LEVEL LEVEL SHIFT
VIDEO RR
VIDEO RG
VIDEO RB
VCOM R
VCOM G
VCOM B
NRSBR
NRSBG
NRSBB
SCEN
DLYCNT B
DLYCNT G
DLYCNT R
NRSAB
NRSAG
NRSAR
SDA 100K
SCL 100K
DA DAT
DACLK
CLP
HSO
VSO
TP306(RED)
1.4Vp-p (H)
TP307(GREEN)
1.4Vp-p (H)
TP308(BLUE)
1.1Vp-p (H)
TP309 TP310
TP301
1.5Vp-p (H)
TP302
1.5Vp-p (H)
TP303
1.2Vp-p (H)
TP304
3.3 Vp-p (H)
TP305
3.3 Vp-p (V)
CN1203 9PIN
R GND G GND B GND HV VD +5V
M.OUT
R OUT
G OUT
B OUT
Q304 2SA1462-T1Y33Y34 BUFF
Q303 2SA1462-T1Y33Y34 BUFF
Q301 2SA1462-T1Y33Y34 BUFF
Q302 2SA1462-T1Y33Y34 BUFF
C (2/5)
D/A CONV., DAC. CLAMP & AMP
B-SS1721-WW-C-P2


IC500
LE01030F0A
LEVEL SHIFT
IC502
CXA3512R-TR
LCD DRIVER
IC501
CXA3512R-T6
LCD DRIVER
Q500
HN1B01FU-TE85R
NRS BUF
Q501
HN1B01FU-TE85R
NRS BUF
Q502
HN1B01FU-TE85R
NRS BUF
Q503
HN1B01FU-TE85R
LEVEL BUF
Q504
2SC4081T106R
BUF
D500
1SS355TE-17
RECT
CN1205
30P
CN1206 30P
TO LCD
TP201
15 Vp-p (V)
TP202
15 Vp-p (2H)
TP203
15 Vp-p (H)
TP204
15 Vp-p (2.8 MHz)
(VPL-PX10/PX15)
15 Vp-p (3.58 MHz)
(VPL-PS10)
TP205
TP206
TP207
TP208
4.6 Vp-p (2H)
TP209
4.6 Vp-p (2H)
TP500(GINV)
6.8 Vp-p (2H)
TP501(GVID2)
10.4 Vp-p (2H)
TP502(GVID1)
10.2 Vp-p (2H)
VPL-PX15,
VPL-PX10
MODEL ONLY
C (3/5)
LEVEL SHIFT,
LCD DRIVER
B-SS1721-WW-C-P3

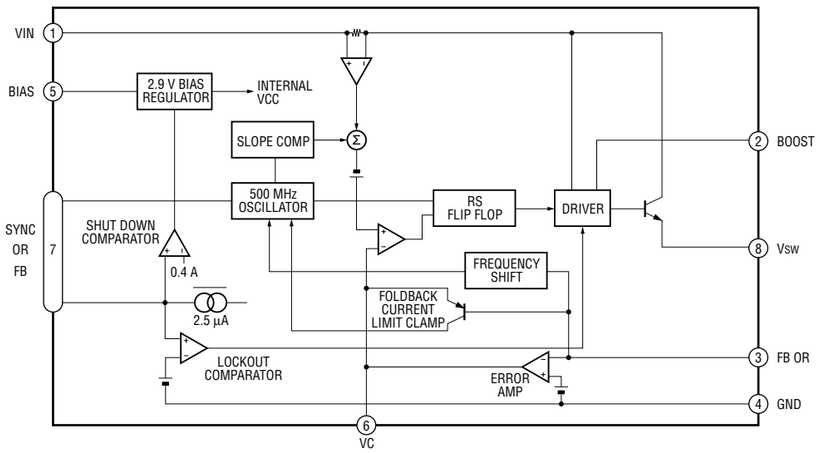

IC600
ELC1030F0A
LEVEL SHIFT
IC602
CXA3512R-T6
LCD DRIVER
IC601
CXA3512R-T6
LCD DRIVER
Q600
HN1B01FU-TE85R
NRS BUF
Q601
HN1B01FU-TE85R
NRS BUF
Q602
HN1B01FU-TE85R
NRS BUF
Q603
HN1B01FU-TE85R
NRS BUF
CN1207
30P
CN1208 30P
TO LCD
TP600(RINV)
6.7Vp-p (2H)
TP602(RVID1)
10.0Vp-p (2H)
TP601(RVID2)
10.0Vp-p (2H)
VPL-PX15.
VPL-PX10
MODEL ONLY
C (4/5)
(LEVEL SHIFT.
LCD DRIVER)
B-SS1721-WW-C-P4


IC700
LE01030F0A
LEVEL SHIFT
IC702
CXA3512R-TR
LCD DRIVER
IC701
CXA3512R-T6
LCD DRIVER
Q700
HN1B01FU-TE85R
NRS BUF
Q701
HN1B01FU-TE85R
NRS BUF
Q702
HN1B01FU-TE85R
NRS BUF
Q703
HN1B01FU-TE85R
NRS BUF
Q704
2SC4081T106R
BUF
D700
1SS355TE-17
RECT
CN1209
30P
CN1210 30P
TO LCD
TP700(BINV)
6.8Vp-p (2H)
TP702(BVID1)
10.2Vp-p (2H)
TP701(BVID2)
10.2Vp-p (2H)
VPL-PX15.
VPL-PX10
MODEL ONLY
C (5/5)
LEVEL SHIFT.
LCD DRIVER
B-SS1721-WW-C-P5

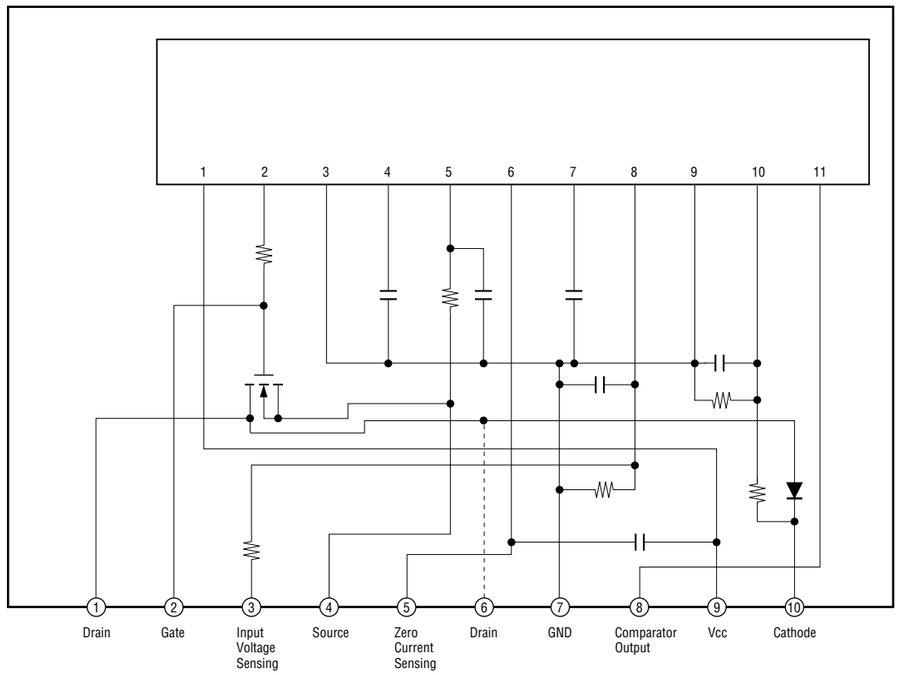
G (3/3) BA00AST-V5 (IC1109, IC1110)



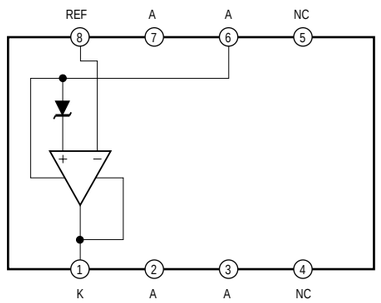
G (3/3) LT1374IS8 (IC1107)



G (1/3) MZ1540 (IC1101)



G (2/3) TL431BCDR2 (IC1105)



G BOARD

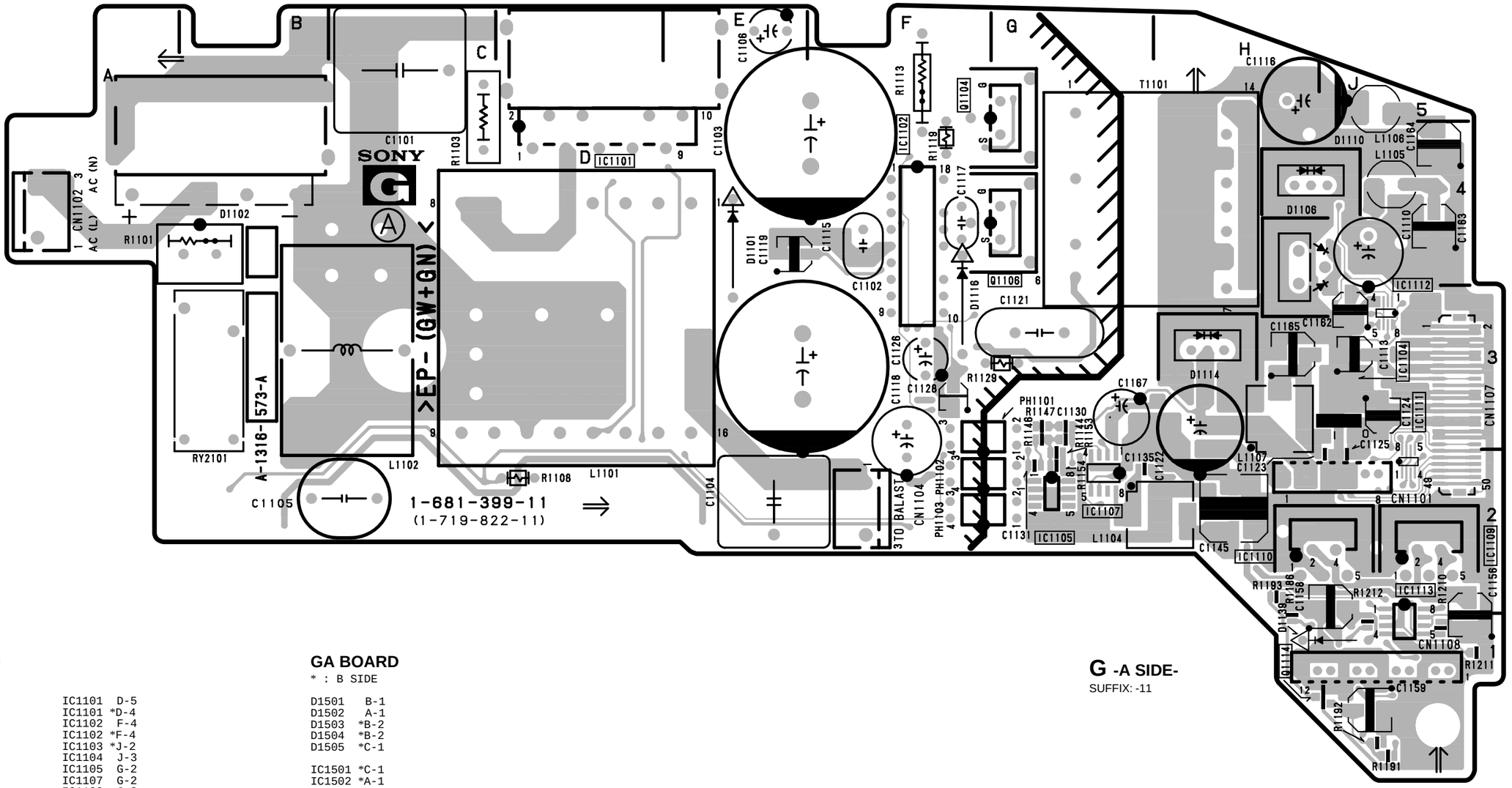
* : B SIDE

D1101	E-4	IC1101	D-5
D1101	*E-4	IC1101	*D-4
D1102	B-4	IC1102	F-4
D1102	*B-4	IC1102	*F-4
D1103	*B-3	IC1103	*J-2
D1104	*D-5	IC1104	J-3
D1105	*B-2	IC1105	G-2
D1106	H-4	IC1107	G-2
D1106	*H-4	IC1109	J-2
D1107	*J-4	IC1109	*J-2
D1108	*F-4	IC1110	J-2
D1109	*J-4	IC1110	*H-2
D1110	J-4	IC1111	J-3
D1110	*H-4	IC1112	J-3
D1111	*J-4	IC1113	J-1
D1112	*J-4		
D1113	*G-4	Q1101	*B-2
D1114	H-3	Q1102	*D-2
D1114	*H-3	Q1103	*J-4
D1116	F-4	Q1104	G-5
D1116	*F-4	Q1104	*G-5
D1117	*J-3	Q1105	*J-4
D1118	*F-4	Q1106	G-4
D1120	*G-2	Q1106	*G-4
D1121	*F-2	Q1107	*H-3
D1124	*H-2	Q1108	*G-3
D1130	*G-2	Q1109	*F-3
D1132	*J-2	Q1111	*F-3
D1133	*H-2	Q1112	*G-2
D1134	*J-1	Q1113	*J-2
D1135	*J-1	Q1114	J-1
D1136	*J-3	Q1115	*J-3
D1137	*J-3		
D1138	J-1		
D1138	*F-3		
D1139	*J-1		

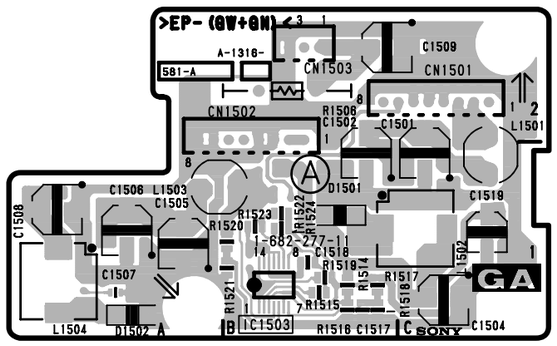
GA BOARD

* : B SIDE

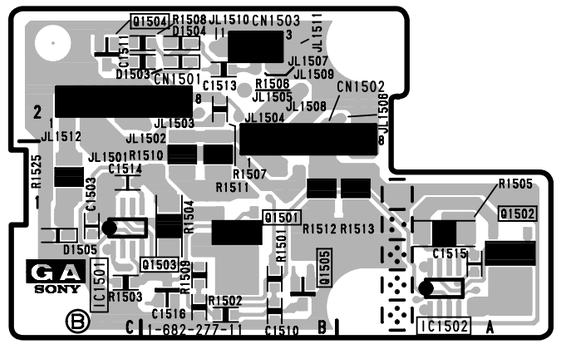
D1501	B-1
D1502	A-1
D1503	*B-2
D1504	*B-2
D1505	*C-1
IC1501	*C-1
IC1502	*A-1
IC1503	B-1
Q1501	*B-1
Q1502	*A-1
Q1503	*B-1
Q1504	*C-2
Q1505	*B-1



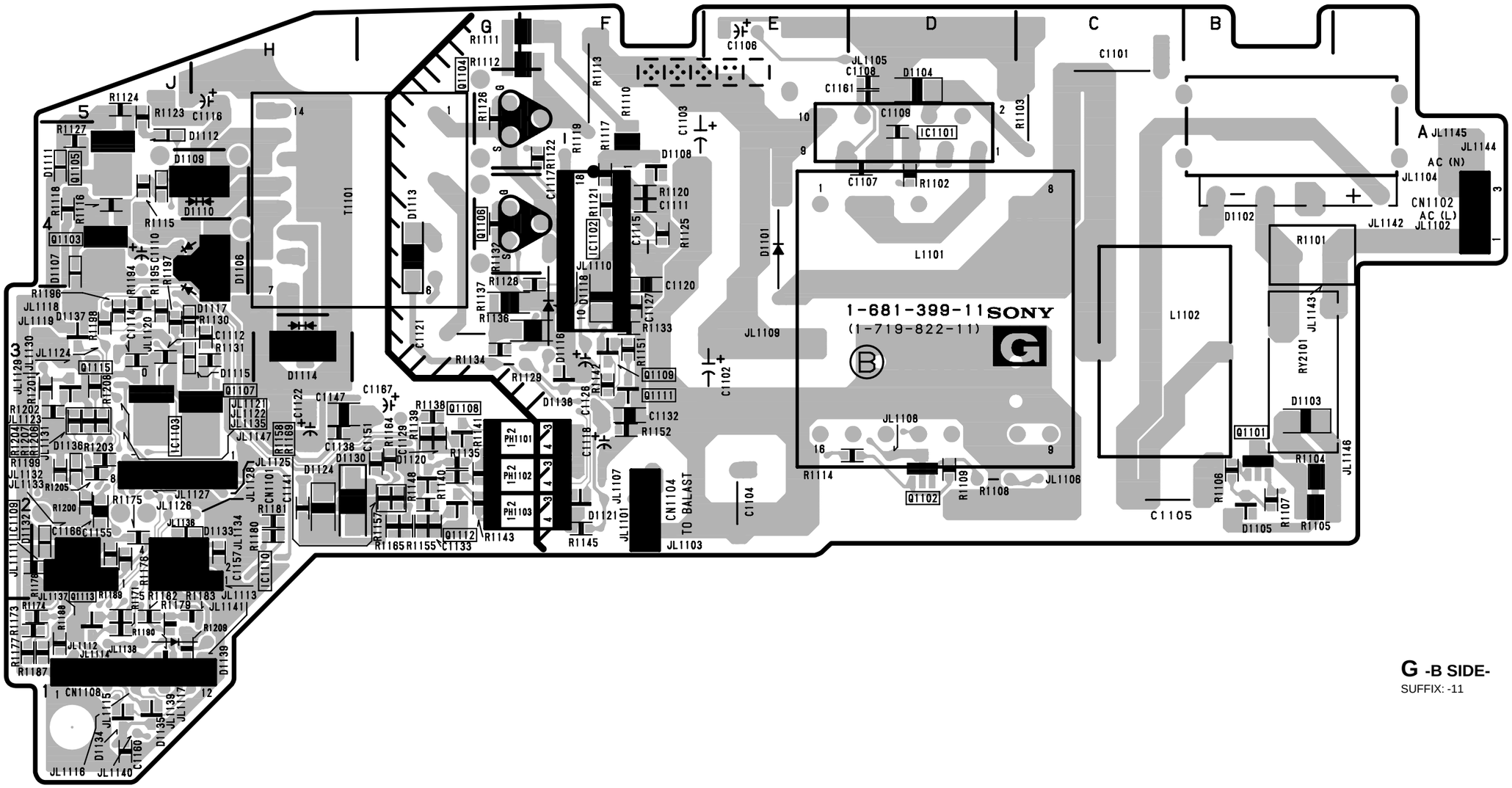
G -A SIDE-
SUFFIX: -11



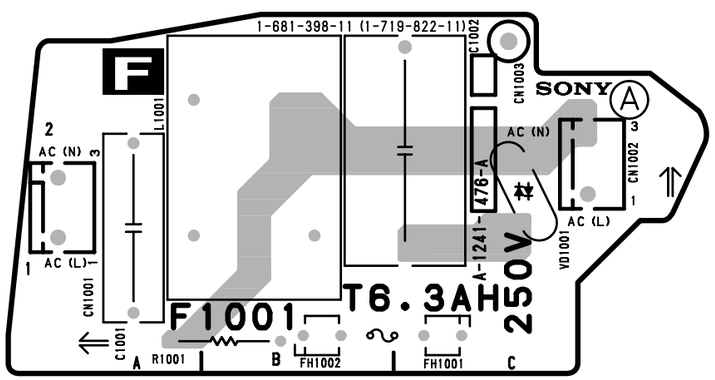
GA -A SIDE-
SUFFIX: -11



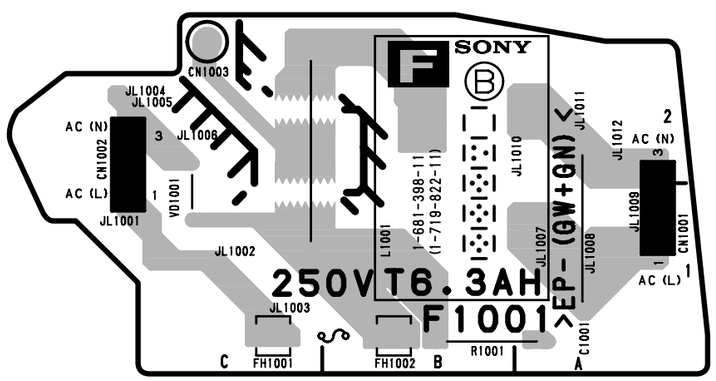
GA -B SIDE-
SUFFIX: -11



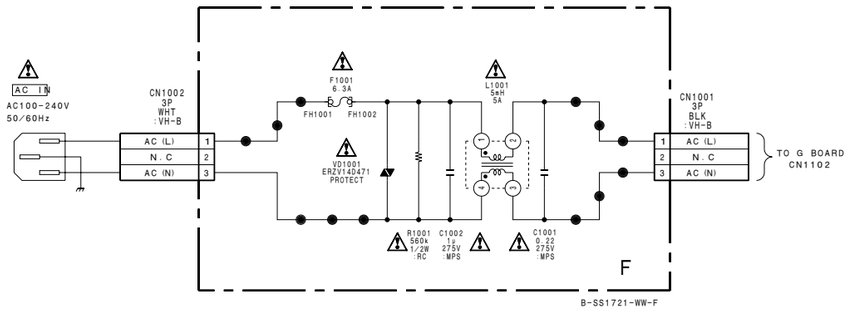
G -B SIDE-
SUFFIX: -11



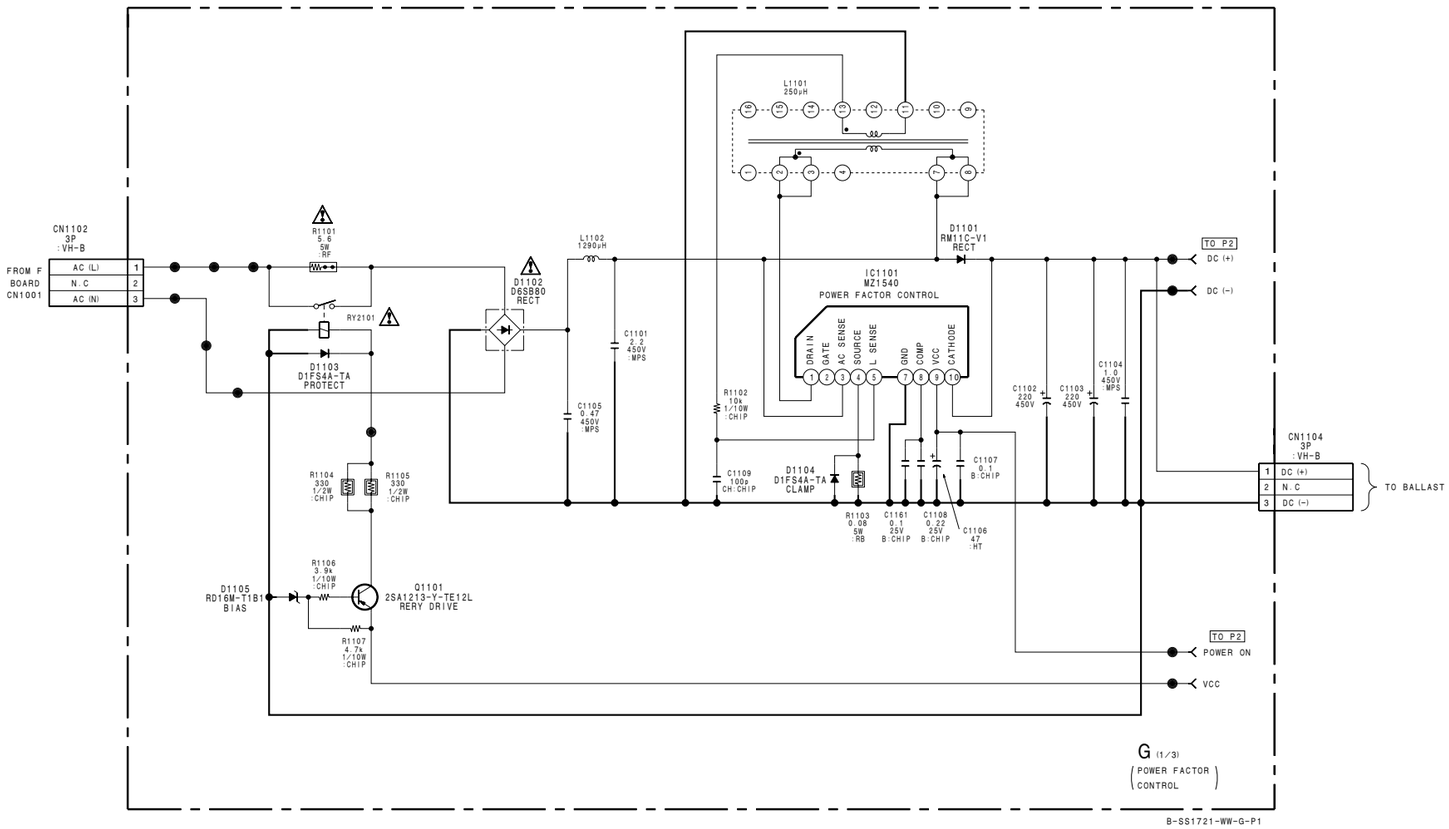
F -A SIDE-
SUFFIX: -11



F -B SIDE-
SUFFIX: -11

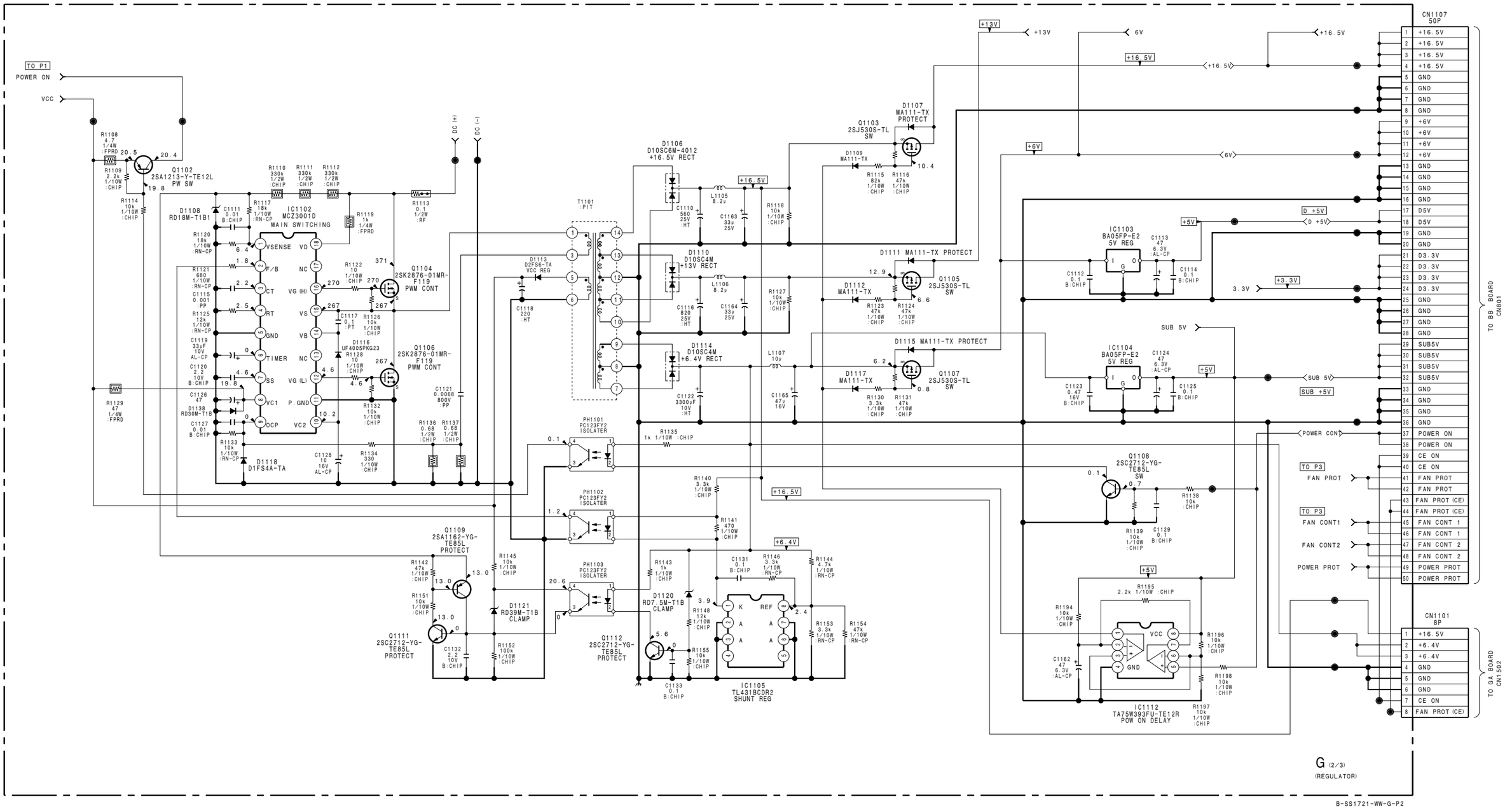


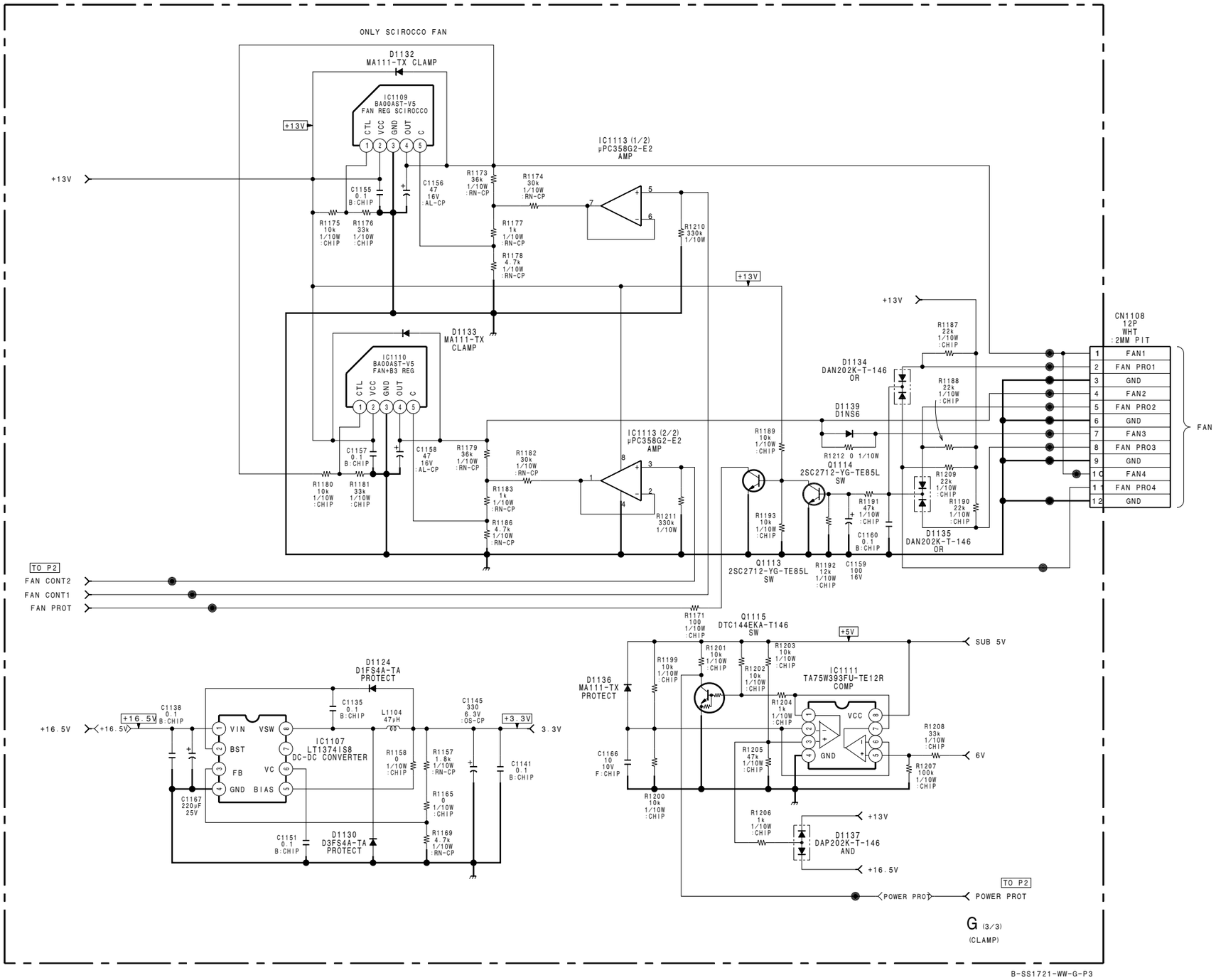
B-SS1721-WW-F

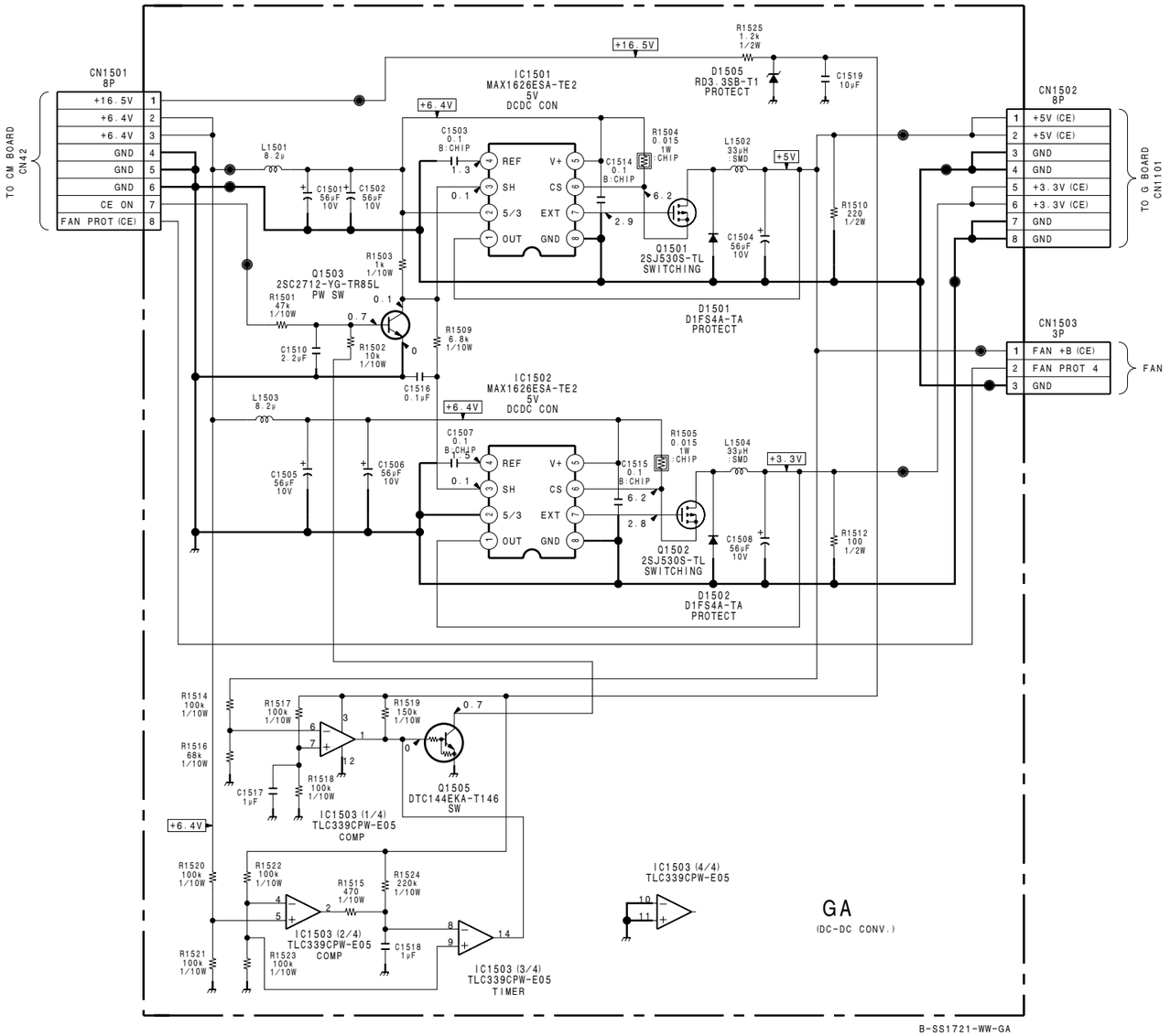


B-SS1721-WW-G-P1

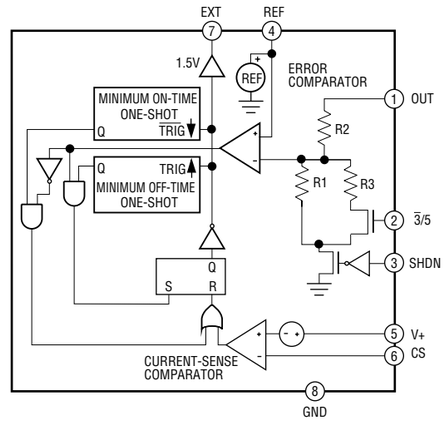
G (2/3)

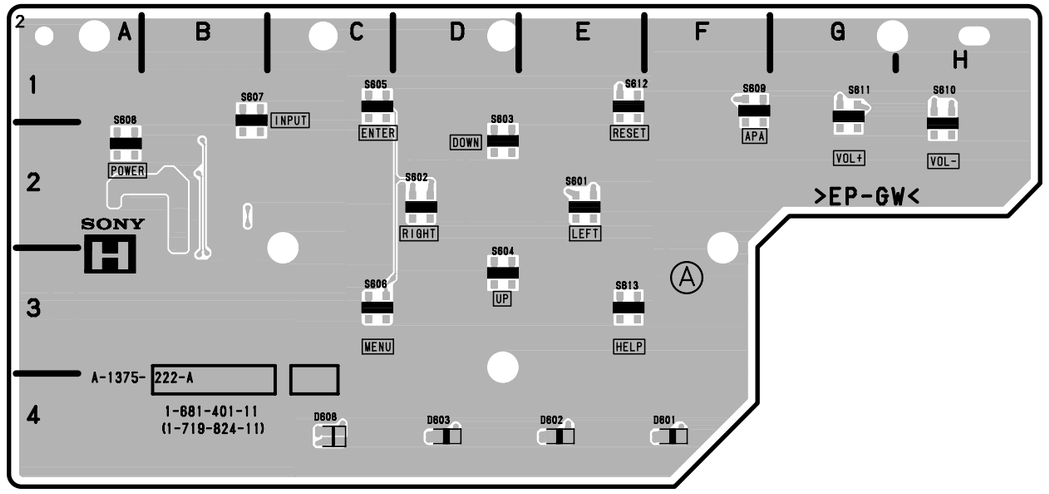

TO P1
POWER ON
VCC
Q1102
2SA1213-Y-TE12L
PW SW
IC1102
MCZ3001D
MAIN SWITCHING
D1108
RD18M-T1B1
Q1104
2SK2876-01MR-
F119
PWM CONT
Q1106
2SK2876-01MR-
F119
PWM CONT
T1101
:PIT
D1106
D10SC6M-4012
+16.5V RECT
D1110
D10SC4M
+13V RECT
D1114
D10SC4M
+6.4V RECT
D1113
D2FS6-7A
VCC REG
D1120
RD7.5M-T1B
CLAMP
D1121
RD39M-T1B
CLAMP
D1118
D1FS4A-TA
PH1101
PC123FY2
ISOLATER
PH1102
PC123FY2
ISOLATER
PH1103
PC123FY2
ISOLATER
Q1109
2SA1162-YG-
TE85L
PROTECT
Q1111
2SC2712-YG-
TE85L
PROTECT
Q1112
2SC2712-YG-
TE85L
PROTECT
IC1105
TL431BCDR2
SHUNT REG
D1107
MA111-TX
PROTECT
Q1103
2SJ530S-TL
SW
D1111 MA111-TX PROTECT
Q1105
2SJ530S-TL
SW
D1115 MA111-TX PROTECT
Q1107
2SJ530S-TL
SW
IC1103
BA05FP-E2
5V REG
IC1104
BA05FP-E2
5V REG
Q1108
2SC2712-YG-
TE85L
SW
IC1112
TA75W393FU-TE12R
POW ON DELAY
CN1107
50P
CN1101
8P
TO BB BOARD
CN801
TO GA BOARD
CN1502
+13V
6V
+16.5V
+6V
D +5V
+5V
+3.3V
SUB 5V
SUB +5V
POWER CON
TO P3
FAN PROT
FAN CONT1
FAN CONT2
POWER PROT
DC (+)
DC (-)
G (2/3)
(REGULATOR)
B-SS1721-WW-G-P2


ONLY SCIROCCO FAN
D1132
MA111-TX CLAMP
IC1109
BA00AST-V5
FAN REG SCIROCCO
CTL VCC GND OUT C
+13V
IC1113 (1/2)
µPC358G2-E2
AMP
C1155
0.1
B:CHIP
C1156
47
16V
:AL-CP
R1173
36k
1/10W
:RN-CP
R1174
30k
1/10W
:RN-CP
R1175
10k
1/10W
:CHIP
R1176
33k
1/10W
:CHIP
R1177
1k
1/10W
:RN-CP
R1178
4.7k
1/10W
:RN-CP
R1210
330k
1/10W
D1133
MA111-TX
CLAMP
IC1110
BA00AST-V5
FAN+B3 REG
C1157
0.1
B:CHIP
C1158
47
16V
:AL-CP
R1179
36k
1/10W
:RN-CP
R1180
10k
1/10W
:CHIP
R1181
33k
1/10W
:CHIP
R1182
30k
1/10W
:RN-CP
R1183
1k
1/10W
:RN-CP
R1186
4.7k
1/10W
:RN-CP
IC1113 (2/2)
µPC358G2-E2
AMP
R1211
330k
1/10W
D1134
DAN202K-T-146
OR
D1139
D1NS6
R1187
22k
1/10W
:CHIP
R1188
22k
1/10W
:CHIP
R1189
10k
1/10W
:CHIP
R1212 0 1/10W
Q1114
2SC2712-YG-TE85L
SW
R1191
47k
1/10W
:CHIP
R1193
10k
1/10W
:CHIP
R1209
22k
1/10W
:CHIP
R1190
22k
1/10W
:CHIP
D1135
DAN202K-T-146
OR
C1160
0.1
B:CHIP
Q1113
2SC2712-YG-TE85L
SW
R1192
12k
1/10W
:CHIP
C1159
100
16V
CN1108
12P
WHT
:2MM PIT
1 FAN1
2 FAN PRO1
3 GND
4 FAN2
5 FAN PRO2
6 GND
7 FAN3
8 FAN PRO3
9 GND
10 FAN4
11 FAN PRO4
12 GND
FAN
TO P2
FAN CONT2
FAN CONT1
FAN PROT
D1124
D1FS4A-TA
PROTECT
C1135
0.1
B:CHIP
L1104
47µH
C1145
330
6.3V
:OS-CP
+16.5V
+3.3V
3.3V
C1138
0.1
B:CHIP
IC1107
LT1374IS8
DC-DC CONVERTER
VIN VSW
BST
FB VC
GND BIAS
R1158
0
1/10W
:CHIP
R1157
1.8k
1/10W
:RN-CP
R1165
0
1/10W
:CHIP
R1169
4.7k
1/10W
:RN-CP
C1141
0.1
B:CHIP
C1167
220pF
25V
C1151
0.1
B:CHIP
D1130
D3FS4A-TA
PROTECT
R1171
100
1/10W
:CHIP
Q1115
DTC144EKA-T146
SW
+5V
SUB 5V
R1199
10k
1/10W
:CHIP
R1201
10k
1/10W
:CHIP
R1202
10k
1/10W
:CHIP
R1203
10k
1/10W
:CHIP
D1136
MA111-TX
PROTECT
IC1111
TA75W393FU-TE12R
COMP
VCC
GND
R1204
1k
1/10W
:CHIP
R1205
47k
1/10W
:CHIP
R1208
33k
1/10W
:CHIP
6V
R1207
100k
1/10W
:CHIP
C1166
10
10V
F:CHIP
R1200
10k
1/10W
:CHIP
R1206
1k
1/10W
:CHIP
+13V
D1137
DAP202K-T-146
AND
+16.5V
TO P2
POWER PRO
POWER PROT
G (3/3)
(CLAMP)
B-SS1721-WW-G-P3

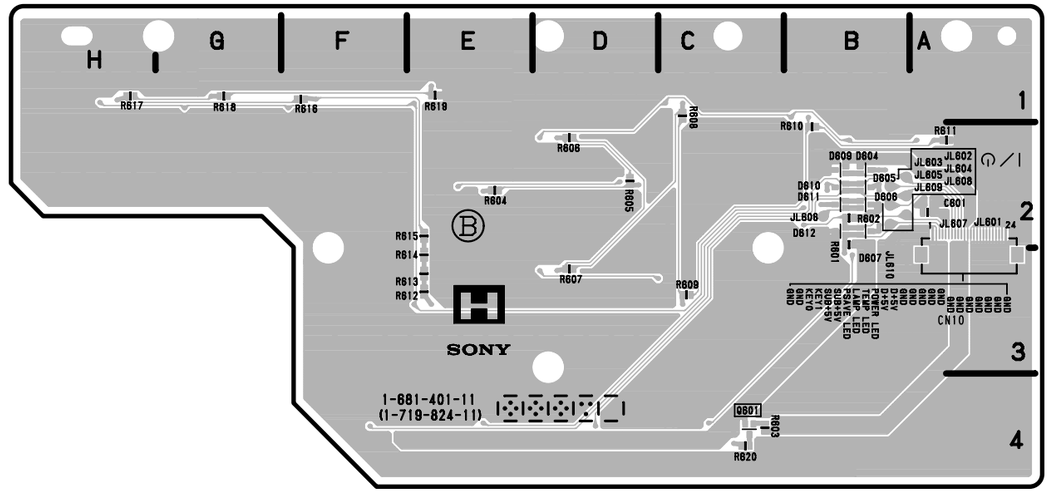


GA MAX1626ESA-TE2 (IC1501, IC1502)





H -A SIDE-
SUFFIX: -11

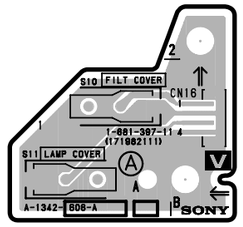


H -B SIDE-
SUFFIX: -11

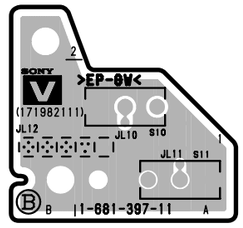
H BOARD

* : B SIDE

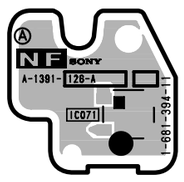
D601	F-4
D602	E-4
D603	D-4
D604	*B-2
D605	*B-2
D606	*B-2
D607	*B-3
D608	C-4
D609	*B-2
D610	*B-2
D611	*B-2
D612	*B-2
Q801	*C-4



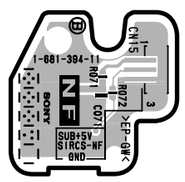
V -A SIDE-
SUFFIX: -11



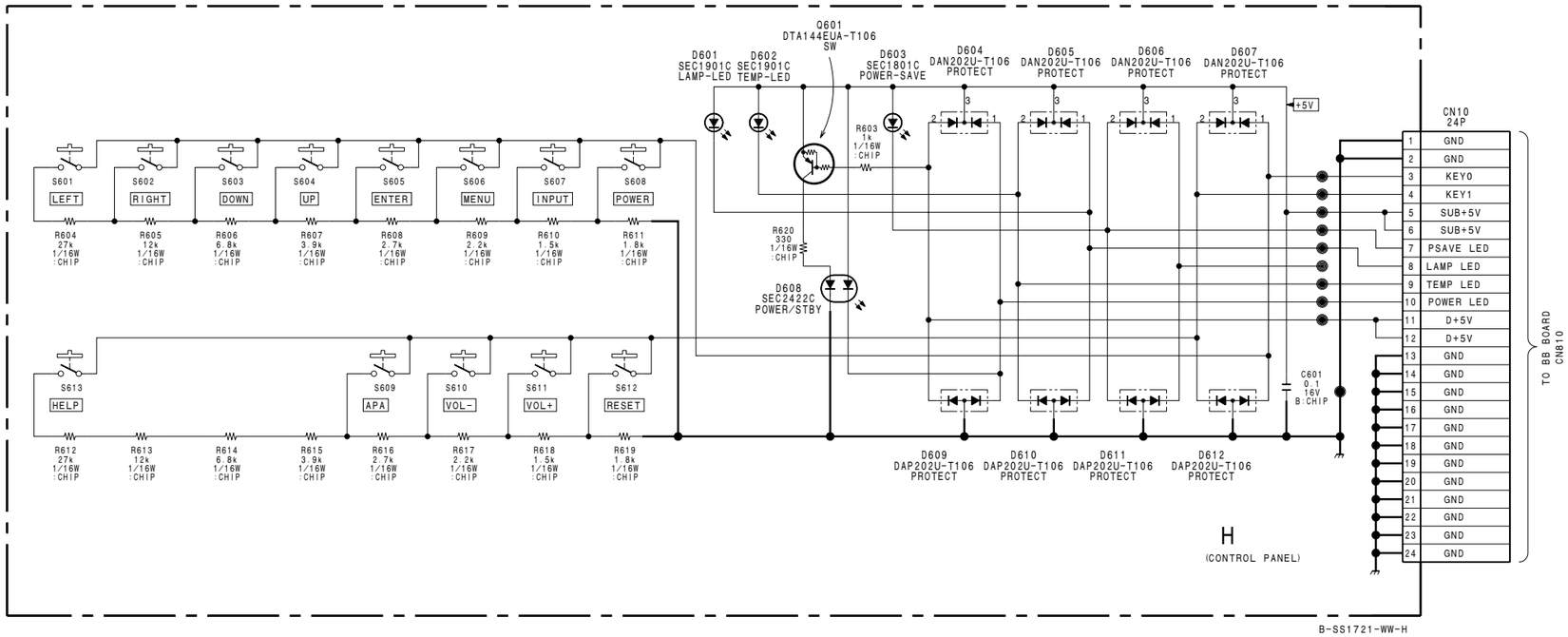
V -B SIDE-
SUFFIX: -11

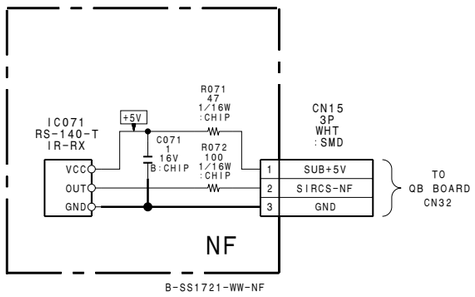


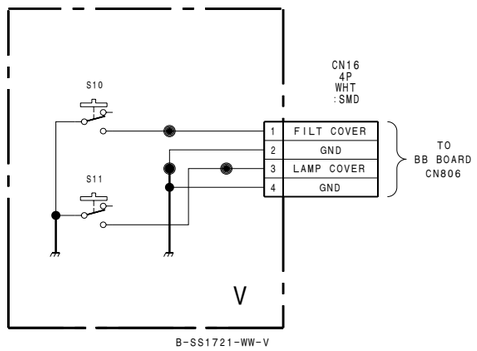
NF -A SIDE-
SUFFIX: -11



NF -B SIDE-
SUFFIX: -11


D601 SEC1901C LAMP-LED
D602 SEC1901C TEMP-LED
Q601 DTA144EUA-T106 SW
D603 SEC1801C POWER-SAVE
D604 DAN202U-T106 PROTECT
D605 DAN202U-T106 PROTECT
D606 DAN202U-T106 PROTECT
D607 DAN202U-T106 PROTECT
+5V
R603 1k 1/16W :CHIP
R620 330 1/16W :CHIP
D608 SEC2422C POWER/STBY
S601 LEFT
S602 RIGHT
S603 DOWN
S604 UP
S605 ENTER
S606 MENU
S607 INPUT
S608 POWER
R604 27k 1/16W :CHIP
R605 12k 1/16W :CHIP
R606 6.8k 1/16W :CHIP
R607 3.9k 1/16W :CHIP
R608 2.7k 1/16W :CHIP
R609 2.2k 1/16W :CHIP
R610 1.5k 1/16W :CHIP
R611 1.8k 1/16W :CHIP
S613 HELP
S609 APA
S610 VOL-
S611 VOL+
S612 RESET
R612 27k 1/16W :CHIP
R613 12k 1/16W :CHIP
R614 6.8k 1/16W :CHIP
R615 3.9k 1/16W :CHIP
R616 2.7k 1/16W :CHIP
R617 2.2k 1/16W :CHIP
R618 1.5k 1/16W :CHIP
R619 1.8k 1/16W :CHIP
D609 DAP202U-T106 PROTECT
D610 DAP202U-T106 PROTECT
D611 DAP202U-T106 PROTECT
D612 DAP202U-T106 PROTECT
C601 0.1 16V B:CHIP
CN10 24P
1 GND
2 GND
3 KEY0
4 KEY1
5 SUB+5V
6 SUB+5V
7 PSAVE LED
8 LAMP LED
9 TEMP LED
10 POWER LED
11 D+5V
12 D+5V
13 GND
14 GND
15 GND
16 GND
17 GND
18 GND
19 GND
20 GND
21 GND
22 GND
23 GND
24 GND
TO BB BOARD CN810
H
(CONTROL PANEL)
B-SS1721-WW-H


IC071 RS-140-T IR-RX
VCC
OUT
GND
+5V
C071 1 16V B:CHIP
R071 47 1/16W :CHIP
R072 100 1/16W :CHIP
CN15 3P WHT :SMD
1 SUB+5V
2 SIRCS-NF
3 GND
TO QB BOARD CN32
NF
B-SS1721-WW-NF


S10
S11
CN16 4P WHT :SMD
1 FILT COVER
2 GND
3 LAMP COVER
4 GND
TO BB BOARD CN806
V
B-SS1721-WW-V

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

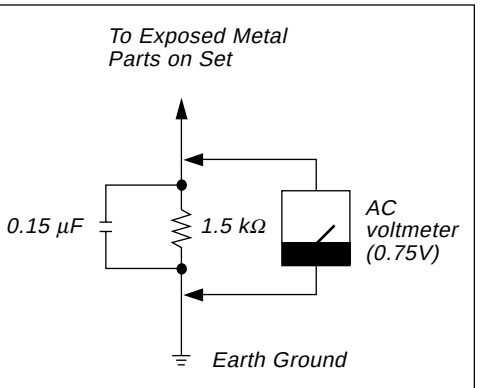


Fig A. Using an AC voltmeter to check AC leakage.

English
01GS16-1
Printed in Japan
©2001.6

Sony Corporation
B&P Company

9-870-304-02